BABASAHEB
BHIMRAO
AMBEDKAR
UNIVERSITY
LUCKNOW
प्रज्ञा शील करुणा
ESTABLISHED 1996





Annual Report
2019-2020

Babasaheb Bhimrao Ambedkar University
(A Central University)
(Accredited 'A' Grade by NAAC)
Vidya Vihar, Raebareli Road, Lucknow - 226 025

Annual Report
2019-20



Babasaheb Bhimrao Ambedkar University
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Vice-Chancellor
Prof. Sanjay Singh

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Finance Officer	Prof. Sanatan Nayak (I/C)
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Proctor	Prof. Ram Chandra
Dean Student's Welfare	Prof. B. S. Bhadauria

Deans of the School

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School of Ambedkar Studies for Social Sciences	Prof. Ripu Sudan Singh
School of Life Sciences	Prof. D. R. Modi
School For Environmental Science	Prof. S. K. Dwivedi
School For Home Science	Prof. Sunita Mishra
School For Education	Prof. Arbind Kumar Jha
School For Legal Studies	Prof. Sudarshan Verma
School For Management Studies	Prof. M. S. Khan
School of Physical & Decision Sciences	Prof. Kaman Singh
School of Languages and Literature	Prof. Arbind Kumar Jha
School of Media and Communication	Prof. Gopal Singh
School of Economics and Commerce	Prof. N. M. P. Verma
School of Agriculture Sciences & Technology	Prof. R. B. Ram
School of Biomedical & Pharmaceutical Sciences	Prof. Shubhini A. Saraf

Heads/Directors/Coordinators

Political Sciences	Prof. Ripu Sudan Singh
Sociology	Prof. B. N. Dubey
Public Administration	Prof. Ripu Sudan Singh
History	Dr. Shura Darapuri
Zoology	Prof. Dinesh Raj Modi
Bio-Technology	Prof. Dinesh Raj Modi
Environmental Sciences	Prof. Naveen Kumar Arora
Human Development & Family Studies	Dr. U.V. Kiran
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Library & Information Science	Dr. M. P. Singh
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Human Right	Prof. Priti Saxena
CGPLIS	Prof. Priti Saxena
Law	Prof. Sudarshan Verma
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Mathematics	Prof. B. S. Bhadauria
Chemistry	Prof. Kaman Singh
Physics	Dr. Devesh Kumar
Statistics	Dr. Madhulika Dube
Hindi	Dr. Sarvesh Kumar Singh
Mass Communication & Journalism	Prof. Govind Ji Pandey
Economics	Prof. Sanatan Nayak
Horticulture	Prof. Sanjay Kumar
Pharmaceutical Science	Prof. Shubhini A. Saraf
Microbiology	Prof. Rajesh Kumar
University Institute of Engineering and Technology (UIET)	Prof. R. A. Khan
Centre for Industry Institution Partnership Programme (CIIPP)	Prof. Rana Pratap Singh
Department of Social Exclusion and Inclusive Studies	Prof. R. B. Ram

Contents

Ambedkar School of Social Sciences

- Department of Political Science 1
- Department of Sociology 8
- Department of Economics 16
- Department of History 26
- Department of Public Administration 31
- Centre for the Study of Social Exclusion and Inclusive Policy (CSSEIP) 32

School of Home Sciences 37

- Department of Human Development and Family Studies 37
- Department of Food & Nutrition 38

School of Management 50

- Department of Rural Management 50

School for Legal Studies 55

- Department of Human Rights 55
- Department of Law 65
- Centre of Post Graduate Legal Studies 71

School of Pharmaceutical Sciences 75

- Department of Pharmaceutical Sciences 75

School of Earth and Environmental Science 87

- Department of Environmental Science 87
- Department of Environmental Microbiology 104
- Department of Geology 115

School of Information Science and Technology 119

- Department of Information Technology 119
- Department of Computer Science 128
- Department of Library & Information Science 133

School of Life Sciences 147

- Department of Biotechnology 147
- Department of Zoology 158

School of Physical and Decision Sciences 172

- Department of Chemistry 172
- Department of Mathematics 181
- Department of Physics 184
- Department of Statistics 193

भाषा एवं साहित्य विद्यापीठ 199
- हिन्दी विभाग 199

School of Education 205
- Department of Education 205

School of Media and Communication 213
- Department of Mass Communication & Journalism 213

School of Agricultural Sciences and Technology 219
- Department of Horticulture 220

University Instiutute of Engineering Technology 231
- Department of Computer Engineering 231
- Department of Electrical Engineering 231
- Department of Civil Engineering 232
- Department of Electronic and Communication Engineering 233
- Department of Mechanical & Automobile Engineering 233

Bbau Satellite Centre, Amethi 234

Academic: Centre for Vocational & Integrated Studies 235

Dean Students' Welfare 240

Alumni Committee 248

Committee of Basic Facilities for Women (CBFW) & Gender Champions Committee (GCC) 249

University Works Department 250

Gautam Buddha Central Library 255

University Health Centre 262

Information and Guidance Bureau (I & GB) 263

National Cadet Corps 265

National Service Scheme (NSS) Cell 266

Office of Proctor 268

Special Cell for the Welfare of Scheduled Castes & Scheduled Tribes (SC/ST Cell) 272

Sports Section 274

University Sophisticated Instrumentation Centre (USIC) 277

हिन्दी प्रकोष्ठ 279

University Placement Cell (UPC) 281

Gardening & Beautification Section 284

Financial Statement 287

Glimpses of Various Activities of BBAU 289

From the Vice Chancellor's Desk



Babasaheb Bhimrao Ambedkar University works towards realizing its mission pronounced in its axiom "*Pragya, Sheel, Karuna*" through its sustained unwavering efforts envisages holistic development with its roots in ethnicity and human values. It is my pleasure and privilege to present **23rd Annual Report** of the University for the year 2019-20, a corroboration of the hard work, desire to excel and commitment. Yearlong efforts made by the University fraternity laid a path of academic quality and excellence.

The University strengthened its networking and collaboration which is significantly evident in establishing MoUs with institutions of high repute. Sustained efforts were made to forge innovative skills and entrepreneurship among students though creation of various new cells like Intellectual Property Rights (IPR), Start-ups, innovation & incubation centres.

The progress of the University is quite apparent through its various accomplishments, one among many being establishment of two new Departments- Yoga and Sanskrit under two new Schools – School of Sanskrit and Indic Studies & School of Yoga, Naturopathy and Cognitive Studies. Besides various academic transformations, several administrative reforms were also initiated like manpower auditing, formulation of the code of conduct for the students. National Academic Depository (NAD), an important initiative by MHRD is being successfully implemented enabling the students access their academic documents from any corner of the country. Extended the Wi-Fi facility to the entire Campus to facilitate the University fraternity in their academic and research progress. A roadmap has also been prepared for the construction of new hostels and developing infrastructure facilities in the University.

The University being a tobacco and plastic free campus, has adopted several best practices and successfully implemented numerous socially relevant and meaningful initiatives. Under the aegis of Unnat Bharat Abhiyan, flagship programme of MHRD adopted five villages and is continuously striving towards their upliftment through a concrete plan of work. Several initiatives were taken up by the University towards sustainability and reduction of carbon footprint.

The University for augmenting its academic outreach to rural areas has a satellite campus at Tikarmafi, Amethi with many UG and PG courses. Major academic and administrative initiatives were taken up at this Centre too and is constantly striving to pave a path of progress.

With a deep sense of satisfaction and pleasure, I am happy to report that the University's ranking has improved from 92nd to 85th position in the year 2019 in the Nature Index. I take this opportunity to appreciate the collective efforts of all the sections of the University fraternity for their contribution. Proactive efforts of the faculty also resulted in award of various national and international patents and projects from reputed funding organisations.

We also are immensely grateful to the Ministry of Education and University Grants Commission for extending all possible support in the course of development of the University.

Committed to Social justice and equality, true to the values and aspirations of Babasaheb Bhimrao Ambedkar, the University, a pioneering institute in global research and higher education will embrace challenges and contribute significantly to achieve excellence.

(Prof. Sanjay Singh)
Vice-Chancellor

Board of Management

Prof Sanjay Singh
Vice-Chancellor,
Babasaheb Bhimrao Ambedkar University
Lucknow

Prof. R. A. Khan
Deptt. of Information Technology
BBAU, Lucknow

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Professor, Deptt. of Chemistry
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Prof. Kameshwar Choudhary
Deptt. of Sociology,
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Prof. Santosh Kumar
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Kumaun University, Nainital

Prof. Raghuvendra Tanwar
Professor Emeritus, History Department, Kurukshetra University & Director, Haryana
Academy of History & Culture, Kurukshetra

Prof. (Retd.) Vidya Sharda
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Himachal Pradesh University

Prof. Ajay Kumar Jha
Prof. & Head, Department of Political Science and Public Administration,
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Secretary BOM,
Registrar,
BBAU, Lucknow

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Vice-Chancellor
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Ex Pro Vice Chancellor
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Prof. S. Victor Babu
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Prof. D. R. Modi
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Babasaheb Bhimrao Ambedkar University, Lucknow.

Prof. Priti Saxena
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Prof. Kaman Singh
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Prof. B. S. Bhaduaria
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Department of Microbiology
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Prof. Bibhuti Bhushan Malik
Department of Sociology
Babasaheb Bhimrao Ambedkar University, Lucknow.

Prof. Sanjay Kumar
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Annual Report 2018-19

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Joint Secretary (CU),
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Chairman
Vice-Chancellor,
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Dean, School of Life Science
BBAU, Lucknow

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Dean, School of Information Science and Technology (SIST), BBAU, Lucknow

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Prof. Govind Ji Pandey
Head, Deptt. of MC&J
BBAU, Lucknow

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Ex. Vice-Chancellor,
Ram Manohar Lohia Avadh University, Faizabad

Er. Milind Kamble
(Padma Shree Awardee-2013)
Founder Chairman: Dalit Indian Chamber of Commerce & Industry (DICCI), Chairman: BoG IIM Jammu

Dr. Bijendra Singh
Director General UP council of Agricultural Research, Lucknow

Registrar,
Ex-officio Secretary
BBAU, Lucknow

Deputy Registrar (Finance)
BBAU, Lucknow

AMBEDKAR SCHOOL OF SOCIAL SCIENCES

The Ambedkar, School of Social Sciences (ASSS) was started in the early years of the University. It started its academic programme in 1997-98. This School first started with the department of Economics and History and later two new departments and two Centre of study. The School has five departments, which include Department of Economics, Department of History, Department of Political Science, Department of Sociology, and Department of Public Administration. These departments offer Ph.D./ M.Phil, P.G. (M.A.), U.G. (B.A. Hons.) programme which has an interdisciplinary orientation. The Centres of the School include- Centre for the Study of Social Exclusion and Inclusive Policy.

Number of Department/Centre:

- Department of Political Science
- Department of Sociology
- Department of Economics
- Department of History
- Department of Public Administration
- Centre for the study of Social Exclusion and Inclusive Policy (CSSEIP)

The School offers Under Graduate, Post Graduate, M.Phil/Ph.D programmes and has an inter-disciplinary orientation. The School is a noted centre of excellence in post-graduate teaching and research in Social Sciences. The School has vibrant academic environment which is reflected in its teaching, research and other activities such as special lectures, seminars and workshops on issues of great social significance.

DEPARTMENT OF POLITICAL SCIENCE

The Department of Political Science in the University is a new Department established in 2008. The Department is dedicated to promote teaching and research in the emerging fields of political science like public policy and governance, comparative politics, international relations and human rights while maintaining the scholarship in some of the conventional fields like political theory, political philosophy etc. Since its inception, the department has been concentrating on maintaining global standards in its teaching as well as research programmes. So far, it has organized around two International seminars, three national seminars and five discussions which were very well received in academia and in media. Its teachers and research scholars are deeply interested in understating and addressing the social problems around them. The Department is committed to give new directions to the teaching methods and research areas in the discipline. Presently, the department is offering Master's and PhD programmes in Political Science.

In order to support its academic activities and new innovative teaching methods, the Department is being provided with necessary infrastructural facilities like computers, printers, overhead projector, starboard, and photocopy machine.

1. Courses offered

M. A. & Ph.D

2. The Department of Political Science offers M. A. (PG) & Ph.D programmes

Duration of M.A. programme is 2 years and PhD minimum 3 Years and maximum 5 Years.

3. Facilities available in the Department

Computer Lab cum Library

4. Details of the Faculty

Shashi Kant Pandey

Professor & Head

M.A, Ph. D (BHU, Varanasi)

Areas of specialization: Indian Politics, Local Self Government, Electoral Politics in India, Human Rights

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Ripu Sudan Singh

Professor

M.A, M.Phil, Ph.D (JNU, New Delhi)

Ex. Head, Pol. Science, Ex. Dean, Social Sciences

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Sartik Bagh

Professor

M.A, M.Phil, Ph.D (JNU, New Delhi)

Ex. Head, Pol. Science

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Siddhartha Mukerji

Assistant Professor

M.A, M.Phil, Ph.D (JNU, New Delhi)

Areas of specialization: Political Economy, Comparative Politics, State Elections, Public Policy and Governance

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Preety Choudhari

Assistant Professor

M.A, Ph. D

Areas of specialization: Public Policy and Governance, Feminism and Women Studies, Indian Foreign Policy

E.mail: preetycoudhari2009@gmail.com

Ms. Manjari Raj Oraon

Assistant Professor

M.A, M.Phil (JNU, New Delhi)

Areas of specialization: International Organization and International Relations, State Politics, Development Process and Social Movements

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5. Other Department-level activities:

i. Special lecture by Dr. Brijendra Pandey, Department of Political Science, VHPG College, Lucknow, 20/11/2019

ii. Special lecture by Dr. Anamika Choudhari, Department of Economics, Dr. S.M.N.R University, Lucknow, 27/11/2019

iii. Special lecture by Prof. Hitendra Patel, Department of History, Ravindra Bharti University, Kolkata, 17/01/2020

6. Members/fellowship of professional/ Academic bodies/editorial board

Prof. Shashi Kant Pandey

i. Life Member: All India Political Science Association

ii. Member: Editorial/Advisory Board, Azad Academy Journal (ISSN Number 2248-9835)

iii. OSD-BBAU Satellite Campus, Amethi

iv. Member - S.C.& S.T. Advisory Committee

v. Member - IQAC, BBAU

vi. Member: Departmental Research Committee, School for Ambedkar Studies, BBAU

vii. Member: Admission Committee, School for Ambedkar Studies, BBAU

viii. Member: Board for Post-Graduate Studies, School for Ambedkar Studies, BBAU

ix. Member: School Board, School for Ambedkar Studies, BBAU

x. Member: Academic Council, BBAU

xi. Member: Lokniti Network (a nationwide network of Political Scientists in India), CSDS, New Delhi – coordinates the activities of the Lokniti regional centre at Lucknow (U.P.)

xii. Certified National Level Master Assessor of the Project entitled "Transforming India through PRIs by Continuous Training & E-enablement" of National Institute of Rural Development, Hyderabad

Prof. Ripu Sudan Singh

i. Maulana Abul Kalam Azad Institute of Asian Studies, Kolkata (MAKAIAS), nominated by the Ministry of Culture, Government of India for a period of five years

ii. Member in the School board of School of International Studies, JNU, New Delhi

iii. Member in the Management Commitee, Harsahay Degree College, Kanpur × Member in DRC and BPGS in the Department of Political Science, BBAU, Lucknow

iv. Life Member, Indian Political Science Association

v. Member, International PoliticalScience Asswociation

vi. Member in BPGS in the Department of Public Administration in BBAU, Lucknow since

vii. Member in BPGS in the Department of Social Sciences in the Satellite Centre at Amethi of BBAU

viii. Member in School Board

ix. Member in Academic Council

x. Member in Planning Board from 28.08.2011 and again from 04.12.2019

xi. Member in Board of Management

Prof. Sartik Bagh

i. Comparative education society of India (Life membership)

ii. Indian Council of Philosophical Research (Academic Centre Library, Lucknow) Regular member since 2010

iii. Association for political theory since 2015 (Life membership)

iv. Member, DRC, Department of Political Science, BBAU, Lucknow

v. Member, BPGS, Department of Political Science, BBAU, Lucknow

vi. Member, School Board, Ambedkar School of Social Sciences, BBAU, Lucknow

vii. Member, RDCU, Department of Political Science, BBAU, Lucknow

viii. Director, CSEIP, BBAU, Lucknow

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i. Member, DRC, Department of Political Science, BBAU, Lucknow

ii. Member, BPGS, Department of Political Science, BBAU, Lucknow

iii. Member, School Board, Ambedkar School of Social Sciences, BBAU, Lucknow

iv. Member, RDCU, Department of Political Science, BBAU, Lucknow

v. Member, BUGS, Department of Public Administration, BBAU, Lucknow

Dr. Preety Choudhari

i. Member of the University Prakashan Samiti. 2019.

ii. Asst. DSW (Culture)

iii. Member of the University Seminar/ Workshop Committee.2019

iv. Member of the Committee of smooth functioning of sponsor projects.2019

v. Member of the grievance redressal committee of Dept. of Microbiology.2019

vi. Member of University Proctorial Board .2019

vii. Member of University Anti Ragging Committee. 2019

viii. Member of Departmental Purchase committee 2019

ix. Member of Department Admission Committee 2015-2019

Ms. Manjari Raj Oraon

i. Member, BPGS, Department of Political Science, BBAU, Lucknow

7. Details of Chapters in edited books

Dr. Siddhartha Mukerji

i. "Globalization, IT and Governance: Implications for Social Justice and Inclusivity", in Manish Verma's edited, *Globalization, Environment and Social Justice*, Routledge, 2019

ii. "Development" in the Unit-6 of the B.A (Hons.) Second Semester Paper "Political Processes in India", IGNOU, New Delhi, 2019

8. Papers published during the year by faculty members

Prof. S.K. Pandey

i. **"**Failure of the Mahagathbandhan**"** Economic and Political Weekly, 03 Aug. 2019, Vol.54, Issue No.31.

ii. **"**Experiencing Welfare State in India: Policies for Migrant Workers in Real Estate Industry of Lucknow (U.P)", with other authors Shashi Kant Pandey, Henrik Berglund and Sartik Bagh, *Journal of Indian School of Political Economy*, July-September 2019, Vol.XXXI, no.3

Prof. Ripu Sudan Singh

i. Dr. Ambedkar'S Concept of Dhamma, Kritika, ISSN 0974-0002, n. 23 vol. vol. 12 Jan-June 2019

Prof. Sartik Bagh

i. "Experiencing Welfare State in India: Policies for Migrant Workers in Real Estate Industry of Lucknow (U.P)", with other authors Shashi Kant Pandey, Henrik Berglund and Sartik Bagh, *Journal of Indian School of Political Economy*, July-September 2019, Vol.XXXI, no.3

Dr. Siddhartha Mukerji

i. "Experiencing Welfare State in India: Policies for Migrant Workers in Real Estate Industry of Lucknow (U.P)", with other authors Shashi Kant Pandey, Henrik Berglund and Sartik Bagh, *Journal of Indian School of Political Economy*, July-September 2019, Vol.XXXI, no.3

ii. "Differing Manifestations of Regulations", *The Book Review*, December 2020, Vol.XLIV, no.12

Dr. Preety Choudhari

i. Does Poverty Explain the Rise of Naxalism in India? ***Socialist Perspective***, Vol. 46, 2019, pp. 71 – 84.

ii. An Analysis of Rawalpindi Conspiracy Case and Martial Law Imposition (1958), ***The Indian Journal of Politics***, Vol.54,No.1-2, 2020,pp. 89-100.

iii. Rahul Sankrityayan ki Stri Chetna, ***Strikaal,*** 32, 2019, pp. 42- 44.

iv. An article on Poet Kedarnath Singh, **Saakhi**, 2019

9. Attended/participated in Conferences/ Seminar/workshop inside Country

Prof. Sartik Bagh

i. Paper presented on the topic "Can we have fair principles of justice in a diverse society", held on 3-4/08/2019 organised by Department of Political Science, Aligarh Muslim University (AMU), Aligarh

Dr. Siddhartha Mukerji

i. Presented paper titled 'Digital India and Social Inclusion' in an international seminar on Social Justice Policies of Modi Government from 16-17 November 2019 organized by Indian Institute of Public Administration, New Delhi

ii. Presented a paper titled Mapping Development and Equity from Gandhi's Moral Philosophy In a national seminar on Contextualizing Mahatma Gandhi's Philosophy in the 21st Century: Democracy, Justice, Equality and Non-Violence from 29-

30 March, 2019 organized by R.M.L.N.LU, Lucknow

iii. Presented a paper titled Relocating State and Development in Dr. Ambedkar's Political Thought in a national seminar on The Idea of India: Intellectual Traditions in Indian Studies from 18-19 March, 2019 organized by Panjab University, Chandigarh

Dr. Preety Choudhari

i. National E-Seminar on Swadeshi and Self-Reliance to fight COVID-19, National E-Seminar organised by KSSPG College and Institute of Engineering & Technology, DR. RML Avadh University, Ayodhya, Concept of Self Reliance in times of COVID-19, 23/5/2020

ii. Present a paper titled Adhunik Bharat ke Itihaas Nirman Mein Streeyon ki Bhumika Interdisciplinary National Seminar on " Role of Women in Making History of Modern India" organised by Yuvraj Dutt P.G.College, Lakheempur Kheeri, 24.1.2020

iii. Presented a paper titled Analyzing Institutions and Public Policy for SWM in context of degrading

iv. Environment National Seminar on "Need for Forward Looking Development Strategies For India" organised by BSNV Post Graduate College (K.K.V), Lucknow, 05/06-11-2019

v. Presented a paper Vidhi ka Shashan, Loktantra aour Bhartiya Rajya: Paryavaran Pradushan

vi. Smabandhi Kuch Maamle, National Seminar on "Constitutionalism and Constitutional Morality: Contemporary Issues and Challenges", organised by Law Dept., BBAU, Lucknow, 26-03-2019

vii. National Seminar on " Problem of Sectorial Scarcity and Choice in India", jointly organised by ASEDS and BBAU, Lucknow, 14/15-03-2019

Ms. Manjari Raj Oraon

i. Presented a paper titled 'New Education Policy and Skill in Education: Imperative of Skilling' in a seminar on National Education Policy 2020: Transforming Skill Education, UGC Center for Women's Studies, Mohanlal Sukhadia University, Udaipur, 11th November, 2020

10. Attended /participated in Conferences/ Seminar/workshop outside Country

Prof. Ripu Sudan Singh

i. Invited by National Research University, Higher School of Economics – City of Sanct-Petersburg, Russia during October 17-19, 2019 to present paper on Human Rights issues.

11. Details of invited lectures inside country

Prof. S.K. Pandey

i. Delivered Lecture as a Key Speaker in a National Seminar on "Depreciation of Values in Present Educational Scenario, Challenges, Causes and Remedies" organized by P.L. Memorial P.G. College, Barabanki (Uttar Pradesh) on 1st March, 2020

ii. Delivered Lecture Organized by Rajiv Gandhi Study Circle, Bahraich as Chief Guest on the Topic "Rajiv Gandhi and His Vision of Modern India" on 29th August, 2020

iii. Delivered Lecture in a International Webinar organized by Department of Political Science, Lal Bahadur Shastri Post Graduate College, Gonda, U.P. on the topic "Covid 19 and Indian Politics " on 20 May, 2020

iv. Delivered Lecture in a National Webinar organized by Society for Promotion of Libraries, Uttar Pradesh and KISHNO Foundation, New Delhi on the topic "Relevance of Gandhian Thought in Post Covid Era" on 25 September, 2020

v. Delivered Lecture in a Faculty Induction Programme organized by the UGC-Human Resource Centre, BHU, Varanasi on the Topic "Indian Democracy at the Crossroads: Challenges and Opportunities" on 09 December, 2020

vi. Delivered online lecture organized by A.B.M. (P.G.) College, Jamshedpur on the topic as Key Speaker "Gandhi Darshan Evam Samajik Chetna Ka Swarup" on 2nd October, 2020

vii. Delivered Lecture in a Refresher Course organized by the Department of Political Science, Allahabad University, Allahabad on the Topic " Bhartiya Janta Party Victory in Uttar Pradesh: A Shift from Caste Based Politics" on 10 October 2020

viii. Delivered Lecture (Online) as a Key Speaker organized by NanaJi Deshmukh Training and Research Institute, Jabalpur on the topic " Vartman Samay me Gandhi Darshasn Ki Prasangikta" on 24 October, 2020

ix. Delivered Lecture Organized by the Department of Political Science , University of Lucknow on the Topic "Gandhi- Tagore Debate: Points of Convergence and Divergence" on 23 September, 2020

Prof. Ripu Sudan Singh

i. Delivered lecture on the topic,' constitutional values with reference to secularism on 21 September'19 from 9.30 to 12.45 p.m.in the Human Resource Development Centre, Jamia Millia Islamia in 126th 3-Week Orientation Programme from 14 September to 05 October 2019. 31 faculty members of different Colleges and Universities are participating.

ii. Mahatma Gandhi Central University has 22 newly appointed Assistant Professors. A Faculty Induction programme as per UGC guidelines is organised from 13 January, 2020 to 20 January, 2020 by the School of Social Sciences for these newly inducted faculties.

Prof. Sartik Bagh

i. Delivered lecture on "Introduction to Qualitative Research and Quantitative Research" and "Report Writing", on 26-09-2019 in the ICSSR sponsored Workshop on Research Methodology Course for Social Sciences in the Department of Economics, BHU.

ii. Delivered lecture on "Conceptualization of Research Proposal and

iii. Review of literature", at RMC on 24th February, 2020, organised by KISS, Bhubaneswar

Dr. Preety Choudhari

S. N.	Type	Level	Name of Conference/ Seminar	Title of Paper/ Lecture	Date
1	Invited Lecture	National	Covid-19 and the Indian Political Landscape: Reexamining the Indian Democratic System; Two Day Online National Symposium organised by VASANTA COLLEGE for WOMEN, Varanasi	Rethinking Rolling Back State Debate	19/20 -05- 2020
2	Invited Lecture	National	National E-Seminar on Swadeshi and Self-Reliance to fight COVID-19, National E-Seminar organised by KSSPG College and Institute of Engineering & Technology, DR. RML Avadh University, Ayodhya.	Concept of Self Reliance in times of COVID-19	23-05- 2020
3	Invited Lecture	International (within country)	International Seminar on "Sau Saal Baad Seva Sadan : Stree Mukti ka Bharitya Path", organised by Premchand Sahitya Sansthan & Gorakhpur University.	Seva Sadan: Bhartiya Stree Vimarsh ki Purv Pithika	16/17- 12- 2019
4	Invited Lecture	National	Interdisciplinary National Seminar on " Role of Women in Making History of Modern India" organised by Yuvraj Dutt P.G.College, Lakheempur Kheeri	Adhunik Bharat ke Itihaas Nirman Mein Streeyon ki Bhumika	24-01- 2020
5	Invited Lecture	National	Delivered the Lecture as Resource Person for Refresher Course of faculties organised by Human Resource Centre, Administrative Staff College- Lucknow university	Ekkisvi Sadi ka Sahitya Aour Stri Lekhan Ki Chunaoutiyan	20-09-2019
6	Invited Lecture	State/ University	Invited by Arya Kanya PG College, Jhanshi	Vartman Stree Vimarsh Aour Vaishvik Chunautiyan	27-09-2019
7	Invited Lecture	State/ University	Invited as special guest to event organised by Mahila Samkhaya, Women and Child Development department, UP Govt. in state level workshop on issues of struggle of women who had suffered domestic viole	special lecture on women for ensuring security and domestic violence	18-06-2019

iv. Delivered a lecture on "Multicultural classrooms and inclusive pedagogies", dated 28th November, 2020, organised Human Resource Development Centre, Jamia Millia Islamia, New Delhi.

Ms. Manjari Raj Oraon

i. Delivered a lecture on 'United Nations: Structure and Functions and its Challenges in 21st Century"Role of India in the United Nations, Department of Political Science, Panch Pargana Kisan College, Ranchi University, Ranchi, 2nd-3rd March, 2020

12. Details of research Projects (major and minor)

13. Students achievements

I. Faculty wise Supervision of the Ph.D. degree awarded-

i. Prof. Sartik Bagh – 01

ii. Prof. Ripu Sudan Singh – 01

iii. Dr. Siddhartha Mukerji – 01

II. Faculty wise supervision of the Ph.D. degree submitted-

i. Prof. Ripu Sudan Singh – 01

ii. Prof. Sartik Bagh – 01

III. Faculty wise supervision of the student pursuing Ph.D. degree-

S. No.	Name of Faculty	Name of the Scholars
1	Prof. Shashi Kant Pandey	Santosh Kumar
2		Mehdi Ali
3		Shraddha Mishra
4		Abhishek Kumar
5		Jitendra Singh Yadav
6		Shivendra Tiwari
7		Teeka Ram
8		Vimlesh Kumar
9		Rinkoo
10	Prof. Ripu Sudan Singh	Sandeep Kumar Aditya
11		Ashutosh Singh
12		Avneesh Kumar Gautam
13		Vikas Shukla
14		Nazir Hussain
15		Vinay Kumar
16		Gukhu Mega
17	Prof. Sartik Bagh	Seema Kumari
18		Dinesh Kumar
19		Jay Bahadur Uttam
20		Sanjay Kumar
21		Mohamad
22		Pramod Kumar Sharma
23		Vivek Kumar
24		Balan G
25	Dr. Siddhartha Mukerji	Ajay Kumar Pathak
26		Pramod Kumar Pandey
27		Ram Surat Yadav
28		Anuj Kumar
29	Dr. Preety Choudhari	Ankita Shukla
30		Rekha Yadav
31		Ritesh Kumar
32		Shiv Kumar Kharwar

IV. Accomplishments of students

i. Number of student completed their master/ graduation/Diploma- **23 students completed master's programme of the Department**

ii. Number of student selected in civil services (UPSC/UPPSC)- **01, Mr. Veer Rai, Bihar Public Service Commission; 02- Ms. Ankita Shukla, U.P Public Service Commission**

iii. Number of student selected on other government jobs/banking/school teaching etc-**14 students selected in teaching positions in government organizations**

Following are the details:

i. Dr. Deepti Singh (Assistant Professor, M.P. Public Service Commission , 2019)

ii. Dr. Upendra kumar (Assistant Professor, Bihar Public Service Commission, 2019)

iii. Mr. Prem Shankar Gond (Assistant Professor, Bihar Public Service Commission, 2019)

iv. Ms. Seema Kumari (Assistant Professor, Bihar Public Service Commission, 2019)

v. Dr. Maya Bharati (Assistant Professor, UPHEC Commission, 2019)

vi. Jitendra Singh Yadav (Assistant Professor, Haryana Public Commission, 2020)

vii. Shraddha Mishra (Assistant Professor, UPHEC Commission, 2020)

viii. Rekha Yadav (Assistant Professor, UPHEC Commission, 2020)

ix. Sanjay Kumar (Assistant Professor, UPHEC Commission, 2020)

x. Ashutosh Singh (Assistant Professor, UPHEC Commission, 2020)

xi. Dr. Rambachan Kumar (Inter Collage Lecturer U.P., 2020)

xii. Jay Bahadur Uttam (Inter Collage Lecturer U.P., 2020)

xiii. Avneesh Kumar Gautam (Inter Collage Lecturer U.P., 2020)

xiv. Rinkoo (Inter Collage Lecturer U.P., 2020)

V. Number of student awarded SLET/NET/JRF/ any other fellowship-

i. NET- 04

ii. JRF- 02

iii. RGNF- 02

iv. NFST- 02

DEPARTMENT OF SOCIOLOGY

The Department of Sociology is engaged in Post-graduate teaching and research. It is being developed as a centre of excellence in the area of Sociology. The department provides students a solid grounding in sociological theory, thought and research methodology. In addition, it offers optional courses of applied nature. It has highly qualified and dedicated faculty members who closely interact with the students and provide them continuous feedback to improve their performance, achieve their career goals and also contribute to the development of society with a focus on the marginalised sections of society.

1. Course Offered

M. A., M. Phil & Ph. D Programmes

2. Facilities available in the Department like Departmental Library, Moot court etc.

Departmental Computer Lab cum-Library and Moot court also available in the Department

3. Detail of Faculty

i. Kameshwar Choudhary

Professor

M.A., M.Phil., Ph.D.

(JNU, New Delhi)

Globalization; Development Perspectives; Sociology of Education; Sociological Theory
kames.c@gmail.com

ii. Bibhuti Bhushan Malik

Professor

M.A., M.Phil., Ph.D.

(JNU, New Delhi)

Sociology of Ecology and Environment; Sociological Theory; Sociology of Poverty and Economic Deprivation

bbmalik57@gmail.com

iii. Manish K. Verma

Professor

M.A., M.Phil., Ph.D.

(JNU, New Delhi)

Environment and Development; Globalization Environment & Social Justice; Tourism; Social Thinkers; Urbanization and Rural Ecology
mkvbbau@gmail.com

iv. Birendra Narain Dubey

Professor

& Head

M.A., M.Phil., Ph.D.

(JNU, New Delhi)

Sociology of Education; Tribal Sociology; Social Justice and Social Movements
dubeybbau@gmail.com

v. Jaya Shrivastava

Associate Professor M.A.(BHU), Ph.D.(VKSU)

Post Doctorate (University of Houston – Clear Lake, Texas, USA)

Gender Studies; Social Gerontology; Human Rights and Social Justice; Research Methodology
jayabbau@gmail.com

vi. Brajesh Kumar

Assistant Professor M.A.,

Ph.D. (BHU, Varanasi)

Globalization and Youth; Social Demography; Quantitative Analysis using SPSS, Sociology of Education bksocio@gmail.com

4. Other Departmental-Level Academic Activities

Organized VIGYAN FOUNDATION and OXFAM INDIA Sponsored One Day Symposium on **Rising Inequality in Education** on 31 October, 2019 at the Department of Sociology, Babasaheb Bhimrao Ambedkar University, Lucknow.

5. Visitors of the Department from inside the country

One Day Special Lecture on **Communication for Development** by Prof. Pranjal Sarma, Professor, Department of Sociology, Dibrugarh University, Assam.

6. Members/Fellowship of Professional/ Academic Bodies/Editorial board

i. Prof. Kameshwar Choudhary

a. Member, Board of Studies, Deptt. of Sociology, A.M.U., Aligarh

b. Member, Board of Studies, Sociology, RMN Lohia University, Faizabad

c. Life member, Indian Sociological Society

d. Life member, Indian Social Science Association

e. Life member, Indian Academy of Social Sciences

ii. Prof. Bibhuti Bhushan Malik

a. Nominated by UGC as Expert for Advisory Committee, Dr. Ambedkar Studies Centre, S.L.Bawa D.A. V. College, Batala, Punjab.

b. Board of Studies, Deptt. of Sociology, Dr. B R Ambedkar University, Agra

c. Life Member (LMI-2601), Indian Sociological Society, New Delhi. (Approved by ISS Management Committee on 17 March 2007).

d. Member, International Sociological Association (ISA)

e. Life Member, (LM845), Marathi Samajshatryiy Parishad, Maharastra.

f. Senior Member, (10080090) International Economics Development Research Center (IEDRC), Malaysia.

g. Member, Advisory Board, *Indian Journal of Dalit and Tribal Studies*, BHU, Varanasi.

h. Member, Advisory Board, Journal of *Social Reality*, Darbhanga, Bihar.

i. Member, Advisory Board, Samudayik Kalyan Avam Vikas Sansthan, Kushinagar.

j. Member, Editorial Board, Journal of Dalit and Tribal Studies, BHU, Varanasi.

k. Member, Expert Committee UGC-Epoch Making of Indian Thinkers (Ambedkar), University Grants Commission, New Delhi

l. Indian Sociological Society

m. Marathi Samaj Shashtra Parishad

iii. Prof. Manish Kumar Verma

a. Member, 'Institutional Ethics Committee', Sanjay Gandhi Post Graduate Institute for Medical Sciences (SGPGI), Lucknow from 15.11.2016 to 14.11.2019.

b. Committee Member, Indian Sociological Society (ISS) from January 2016 to December 2021.

c. Member, Academic Council, BBAU, Lucknow

d. Member, School Board, School for Ambedkar Studies, BBAU, Lucknow

e. Member, International Sociological Association (ISA)

f. Managing Committee Member, Indian Sociological Society (ISS)

g. Life Member, Indian Sociological Society (ISS)

h. Life Member, Rajasthan Sociological Association (RSA)

i. Deputy Coordinator, UGC-SAP, BBAU, Lucknow

j. Peer Reviewer/Content Reviewer of Study Material, Sikkim Manipal University

k. Course-Coordinator, Sikkim Manipal University

l. Secretary, RC-07, Rural, Tribal and Peasant sociology of Indian Sociological Society (ISS)

m. Member, Advisory Board, journal 'Abhisaran', Bid, Maharastra

n. Member, Editorial Board, journal 'Research Process', Aurangabad, Maharastra

o. Member, Editorial Board, International Journal, "Social Science and Development Policy", Lucknow

p. Member, BPGS, Department of Sociology, Tripura Central University, Agartala

q. Member, BPGS, Department of Sociology, University of Ranchi, Ranchi

r. Member, Editorial Board, journal 'Research Process', Aurangabad, Maharastra

s. Member, Board of Post Graduate Studies, Deptt. of Sociology, BBAU, Lucknow

t. Member, DRC, Deptt. of Sociology, BBAU, Lucknow

iv. Prof. Birendra Narain Dubey

a. Life Member, International Sociological Association

b. Life Member, Indian Sociological Society

c. Chairman, Board of Post Graduate Studies, Deptt. of Sociology, BBAU, Lucknow

d. Chairman, DRC, Deptt. of Sociology, BBAU, Lucknow

e. Member, School Board, School for Ambedkar Studies, BBAU, Lucknow

f. Comparative Education Society of India

g. Life Member, Indian Teachers' Association

h. Life Member, Association for Socio-Economic Development

i. Life Member, All Indian Rights Organization

j. Convener, RC 05 (Sociology of Education) Indian Sociological Society

k. Reviewer, IMPRESS, ICCSSR, New Delhi

v. Dr. Jaya Shrivastava

a. Life Member, Indian Sociological Society.

b. Member, American Sociological Society.

c. Life Member, Asian Association of Women's Studies.

d. Life Member, Indian Association of Women's Studies.

e. Life Member, Indian Social Science Academy.

f. Life Member, Indian Social Science Association.

g. Life Member, ASEDS

h. Member, Editorial Board, All Journals published by Rajakiya Sangrahalaya, Jhansi.

i. Member, Editorial Board, Indian Journal of Bio-Research, Social Science Volume, Lucknow.

j. Member, Editorial Board, Research Post Journal, Jaipur.

k. Member, Departmental Research Committee (DRC), Department of Sociology, SAS, BBAU, Lucknow.

l. Member, Board of Post-Graduate Studies (BPGS), Department of Sociology, BBAU, Lucknow.

m. Member, Board of Post-Graduate Studies (BPGS), Department of Rural Management, BBAU, Lucknow, 2010.

n. Member, Internal Quality Assurance Cell (IQAC), Department of Sociology, BBAU, Lucknow.

o. Member, School Board of Ambedkar Studies of Social Sciences (ASSS), BBAU, Lucknow.

p. Member, Board of Post Graduate Studies (BPGS) of Foundation Course Cell of the University, BBAU, Lucknow.

q. Member, International Student Centre Committee, BBAU, Lucknow.

vi. Dr. Brajesh Kumar

a. Member, Departmental Research Committee (DRC), Department of Sociology, B. B. Ambedkar University, Lucknow.

b. Member, IQAC, Department of Sociology, B. B. Ambedkar University, Lucknow.

c. Life member, Indian Sociological Society, New Delhi.

d. Life member, Indian Association of Teacher Educators, Bareilly.

e. Member, National Editorial Advisory Board, Journal of Social Welfare and Management, Red Flower Publication Pvt. Ltd., Delhi.

f. Member, Board of Post Graduate Studies, Deptt. of Sociology, BBAU, Lucknow

7. Details of book Chapter in edited volume

Prof. Manish K. Verma

"Introduction", Chapter published in **"Globalization, Environment and Social Justice: Perspectives, Issues and Concerns"**, book by Manish K. Verma (ed.). Edited book published by Routledge, Taylor & Francis Group, UK. 2019. (ISBN: 978-1-138-36377-9)

8. Paper published during the year by the faculty members

Prof. Bibhuti Bhushan Malik

" Poverty of Social Construction and Landlessness: Dignity for Dalits in Eastern Uttar Pradesh" *Contemporary Voice of Dalit*, Sage Publications, Volume 11 Issue 2 November 2019, {ISSN: 2455-328X}pp 150-171.

Prof. Manish K. Verma

i. **"Impact of Poverty and Exclusion in Bundelkhand Region of Uttar Pradesh: An Empirical Analysis",** paper Published in NMP Verma & Alpana Shrivastava edited book on, **"The Routledge Handbook of Inequality, Exclusion and Stigma in India",Routledge, Taylor & Francis Group, United Kingdom**. 2020.

ii. **"Urban Sanitation in Uttar Pradesh: Status, Policy, Perspective and Need for a Faecal Sludge Management".** Published in International Journal, **"Social Science and Development Policy",** Lucknow, Vol. 5, No. 1, Jan-June, 2019 (ISSN: 2454-5732)

Dr. Jaya Shrivastava

i. Published a paper entitled "Adverse Inclusion of Women in Indian Society: Dr. Ambedkar's View" in an International, Peer Reviewed and UGC listed Journal ***Ajanta*** (Journal no. 40776), Volume-VIII, Issue-II, April-June 2019;English Part-III ISSN 2777- 5730. Impact Factor/ Indexing 2018-5.5 (www.sjifactor.com).

ii. Published a paper entitled "Gender based Violence (GBV) and 'New' ICT in Globalizing India" in an International, Peer Reviewed and UGC listed Journal ***Ajanta*** (Journal no. 40776), Volume-VIII, Issue-II, April-June 2019;English Part-XIII/XIV ISSN 2777-5730. Impact Factor/ Indexing 2018-5.5 (www.sjifactor.com).

Dr. Brajesh Kumar

Published a paper entitled "प्रथम पीढ़ी के युवा विद्यार्थियों के द्वारा उच्च शिक्षा प्राप्त करने में अध्ययन से संबंधित अनुभवों का मूल्यांकनः एक समाजशास्त्रीय विश्लेषण" in an International UGC listed Journal *Shodh Sarita* (**ISSN No.**: 2348-2397) Vol. 6, Issue 23, pp 23-26.

9. Attended/Participated in Conferences/ Seminars/Workshop inside country

Prof. Manish K. Verma

Participated as Subject Expert in "Tier- II National Workshop on Teaching Learning Resources for Science and Social Science Teachers in Higher Education" organized by National Resource Centre for Education, National Institute of Educational Planning and Administration (NIEPA), N. Delhi during January 15-16, 2020.

Prof. Birendra N. Dubey

Presented a paper on Changing Pedagogy and Social Research: An Explanation of Possibilities and Challenges towards Field Experience at RC 05, Sociology of Education at 45th All India Sociological Conference on Environment, Culture and Development: Discourses and Intersections organized by Indian Sociological Society and Department of Sociology, University of Kerala, Kariavattom Campus, Thiruvananthapuram, December 26-29, 2019.

Dr. Jaya Shrivastava

i. Participated the special lecture on "Caste Based Discrimination and Its Effect on Financialization & Crime Reporting"organised by Department of Economics, School of Economics & Commerce (SEC), BBAU, Lucknow on February 6th, 2020.

ii. Participated in One Day Awareness Generation Programme in University on Problem of Addiction among Youth and Role of Various Stakeholders in Drug Demand Reduction, sponsored by National Institute of Social Defence, Ministry of Social Justice & Empowerment, Govt. of India organised by Centre for the Study of Social Exclusion and Inclusive Policy (CSSIEP), B. B. Ambedkar University, Lucknow on November 27th, 2019 and performed the duty of a Judge in the Slogan and Poster competitions organised on "Drug Abuse and Its Ill Effects".

Dr. Brajesh Kumar

i. Presented a paper titled "*Prevalence and Depth of Foundational Academic Deprivation among Children in India*" at National Symposium on "Rising Inequality in Education" organized by the Department of Sociology, BBAU, Lucknow, October 31, 2019.

ii. Presented a paper titled "*Understanding Barriers to Inclusive School Education for Nation Building*" at National Seminar on ''राष्ट्र निर्माण में शैक्षिक संस्थानों का योगदानः भविष्यवादी दृष्टिकोण'' organized by BBAU, Lucknow, January 10-11, 2020.

iii. Attended National Symposium on "Environment and Society" organized by University Institute of Engineering and Technology, BBAU, Lucknow, November 20, 2019.

10. Attended/Participated in Conferences/ Seminars/Workshop outside country

Dr. Brajesh Kumar

Presented a paper titled "Incidence and Intensity of Academic Deprivation among Children in India" at 6th International Integrative Research Conference on "Governance in Society, Business and Environment" organized by Netinsearch International at BARD, Cumilla, Bangladesh, December 18-19, 2019.

11. Details of invited lectures inside country

Prof. Kameshwar Choudhary

Chaired a session in a Symposium entitled "**Rising Inequality in Education**" Organized by Department of Sociology, Babasaheb Bhimrao Ambedkar University, Lucknow and Sponsored by VIGYAN FOUNDATION and OXFAM INDIA on 31 October, 2019.

Prof. Bibhuti Bhushan Malik

i. Delivered Lecture on Understanding Social Science Research: Ontology, Epistemology and Philosophy at the Refresher Course organized by Dept. of Sociology, Lucknow University, Lucknow on 23 February 2020

ii. Delivered Lecture on Hypothesis Testing: Parametric and Non parametric in two sessions as Resource Person at One Week Research Methodology Capacity Building Programme for SC/ST/Women Research and PDF Scholars, organized by Deptt of Economics, BHU, Varanasi on 29th September 2019.

iii. Delivered Lecture on Participatory Research in two sessions as Resource Person at One Week Research Methodology Capacity Building Programme for SC/ST/Women Research and PDF Scholars, organized by Dept. of Economics, BHU, Varanasi on 28th September 2019.

iv. Invited as a Resource Person and delivered a lecture on Religious Harmony and Modern Education in India at one day National Seminar on Interfaith Dialogue and Education in India: Concerns and Challenges Organised by Dept. of Education, R S P College, Jharia, Dhanbad, Jharkhand, on 27th September 2019

v. Invited to delivered a Special Lecture on Debate on Social Exclusion and Inclusive Policies: A Review at Department Sociology, C M P Degree College, Prayagraj on 26th September, 2019

vi. Delivered lecture in one session as a Resource Person on Understanding Social Ecology at a Refresher Course Organized by Dept. of Sociology, Academic Staff College, Santh Gagde Baba Amravati University, Amravati, Maharashtra on 21st September 2019.

vii. Delivered two special lectures on *Sociology: Past, Present and Future* at the Deptt. of Sociology, Santh Gagde Baba Amravati University, Amravati, Maharashtra on 20 September 2019.

viii. Delivered lecture in two sessions as a Resource Person on *Caste: Past, Present and Future* at a Refresher Course Organized by Deptt. of Sociology, Academic Staff College, Santh Gagde Baba Amravati University, Amravati, Maharashtra on 20 September 2019.

ix. Invited as a Resource Person and delivered lecture on 'Atrocities on Dalits and Role of Police' at a *Sensitization of Police Officers towards the problem of atrocities against SC/ST* Organized by Dr. B R Ambedkar University of Social Sciences, Mohow, Indore on 19 September 2019.

x. Invited as Guest of Honour for the inaugural session of the *Sensitization of Police Officers towards the problem of atrocities against SC/ST* Organized by Dr. B R Ambedkar University of Social Sciences, Mohow, Indore on 23-25 July 2019.

xi. Delivered Lecture on *Qualitative and Quantitative Research* in two sessions as Resource Person at Ten Days Research Methodology Capacity Building Programme for Faculty Members, organized by Deptt of Political Science, BHU, Varanasi on 19 June 2019.

xii. Invited as Chief Guest to speak on the Eve of Dr. Ambedkar Jayanti on *Law, Liberty and Democracy: Ambedkar's Vision of India* at Dr. Ram Manohar Lohiya National Law University, Lucknow, on 14th April 2019

Prof. Manish K. Verma

i. Delivered Invited Lecture as Resource Person on 5th March 2020 on the theme "Development, Social Justice and Issues of Environment in India: Policies and their Implications" to the participants of National Training Workshop cum Faculty Development Program organized on the theme, 'Environment, Biodiversity and Disaster Risk Management' by the Department of Energy and Environment in collaboration with National Institute of Disaster Management (NIDM), Ministry of Home affairs, Govt. of India scheduled between March 2nd to 6th, 2020.

ii. Delivered Invited Lecture as Resource Person on 5th March 2020 on the theme "Development, Social Justice and Issues of Environment in India: Development Induced Displacement" to the participants of National Training Workshop cum Faculty Development Program organized on the theme, 'Environment, Biodiversity and Disaster Risk Management' by the Department of Energy and Environment in collaboration with National Institute of Disaster Management (NIDM), Ministry of Home affairs, Govt. of India scheduled between March 2nd to 6th, 2020.

iii. Delivered Invited Lecture as Resource Person on 28th February 2020 on the theme "Development and Displacement: Issues and Challenges" to the participants of 117th Orientation Programme conducted by the UGC-HRDC, JNU, N. Delhi scheduled betweenFebruary 24th to March 16th, 2020.

iv. Delivered Invited Lecture as Resource Person on 28th February 2020 on the theme "Reporting of Research" to the participants of 4th National Interaction Programmefor Ph.D/Post-doctoral scholars in Social Sciences and Humanities conducted by the UGC-HRDC, JNU, N. Delhi scheduled between February 24th to March 16th, 2020.

v. Delivered Invited Lecture as Resource Person on 24th February 2020 on the theme "Challenges in the Learning of Foreign Language" to the participants of 5th Winter School in Foreign Language conducted by the UGC-HRDC, JNU, N. Delhi scheduled between February 17th to February 29th, 2020.

vi. Delivered Invited Lecture as Resource Person on 22nd February 2020 on the theme "Development, Displacement and Social Justice" to the participants

of the Refresher Course in Public Administration, Sociology, Social Work & Anthropology (MD) conducted by the UGC-HRDC, University of Lucknow, Lucknow scheduled between February 17th to February 29th, 2020.

vii. Delivered Invited Lecture as Resource Person on 4th February 2020 on the theme "Development, Social Justice and Environmental Issues in India" at the Department of Sociology, Panjab University, Chandigarh.

viii. Participated as Subject Expert in "Tier- II National Workshop on Teaching Learning Resources for Science and Social Science Teachers in Higher Education" organized by National Resource Centre for Education, National Institute of Educational Planning and Administration (NIEPA), N. Delhi during January 15-16, 2020.

ix. Chaired a session on, "Sociology of Education" in the 45th All India Sociological Conference on, "Environment, Culture and Development: Discourse and Intersections" organized by Indian Sociological Society at the Department of Sociology, University of Kerala, Trivandrum from Dec' 27-29, 2019.

x. Chaired a session and presented paper on, "Economy and Society" in the 45th All India Sociological Conference on, "Environment, Culture and Development: Discourse and Intersections" organized by Indian Sociological Society at the Department of Sociology, University of Kerala, Trivandrum from Dec' 27-29, 2019.

xi. Delivered a Special Lecture on the topic, "Examining Environment and Society Interlinkages in Contemporary Times" in a national Symposium on the theme, "Environment and Society" organized by the University Institute of Engineering and Technology, Babasaheb Bhimrao Ambedkar University, Lucknow on November 20, 2019.

xii. "Educational Inequality in Rural and Urban India". Paper presented in a Workshop organized on the theme, 'Rising Inequality in Education' by the Department of Sociology, Babasaheb Bhimrao Ambedkar University, Lucknow on October 31, 2019.

xiii. Delivered Invited Lecture as Resource Person on 20th October 2019 on the theme "Research Method and Report Writing" to the participants of ICSSR Research Methodology Workshop organized by the Department of Education, Babasaheb Bhimrao Ambedkar University, Lucknow scheduled between October 15th to October 24th, 2019.

xiv. Delivered Invited Lecture as Resource Person on "Research Design and Report Writing" in Faculty Induction Training Program being organized by Faculty Development Centre (FDC), Iswar Saran PG College, University of Allahabad, Prayagraj on 1st May 2019 scheduled between 22nd April 2019 to 27th May 2019.

Prof. Birendra N. Dubey

i. Delivered a Lecture in an One Day Symposium on "Rising Inequality in Education" on the topic "Educational Inequality" Organized by the Department of Sociology, Babasaheb Bhimrao Ambedkar University, Lucknow and Sponsored by VIGYAN FOUNDATION and OXFAM INDIA on 31st October, 2019.

ii. Chaired a session on "Leisure Among Tribes" in an three day International seminar titled "Leisure and Social Development in Post Modern Era: Contemporary Issues and Challenges" jointly organized by Indian Sociological Society and Ethnographic and Folk Culture Society at Department of Sociology, University of Lucknow, Lucknow from 2nd to 4th December, 2019.

iii. Chaired a technical session, parallel session V, on Tribal Education and Inclusion at International Conference on the theme "Exclusion, Inclusion and Equity in Education" organized by Comparative Education Society of India, Jawaharlal Nehru University, New Delhi, December 9-11, 2019.

iv. Chaired Session III (Parallel Session-II) of RC 05, Sociology of Education at 45th All India Sociological Conference on Environment, Culture and Development: Discourses and Intersections organized by Indian Sociological Society and Department of Sociology, University of Kerala, Kariavattom Campus, Thiruvananthapuram, December 26-29, 2019.

v. Presented a paper on Changing Pedagogy and Social Research: An Explanation of Possibilities and Challenges towards Field Experience at RC 05, Sociology of Education at 45th All India

Sociological Conference on Environment, Culture and Development: Discourses and Intersections organized by Indian Sociological Society and Department of Sociology, University of Kerala, Kariavat tom Campus, Thiruvananthapuram, December 26-29, 2019.

Dr. Jaya Shrivastava

i. Participated the special lecture on "Caste Based Discrimination and Its Effect on Financialization & Crime Reporting" organised by Department of Economics, School of Economics & Commerce (SEC), BBAU, Lucknow on February 6th, 2020.

ii. Presented a paper entitled "Reflections on the Role of Higher Education Institutions in nation Building" in a National Seminar organised by B. B. Ambedkar University, Lucknow on the theme "Rashtra Nirman mein Shaikshik Sansthano ka Yogdan: Bhavishyavadi Drishtikon" on 10-11 January,2020.

iii. Participated in One Day Awareness Generation Programme in University on Problem of Addiction among Youth and Role of Various Stakeholders in Drug Demand Reduction, sponsored by National Institute of Social Defence, Ministry of Social Justice & Empowerment, Govt. of India organised by Centre for the Study of Social Exclusion and Inclusive Policy (CSSIEP), B. B. Ambedkar University, Lucknow on November 27th, 2019 and performed the duty of a Judge in the Slogan and Poster competitions organised on "Drug Abuse and Its Ill Effects".

12. Students achievements

I. Faculty wise supervision of the Ph.D. and M.Phil students/Dissertation and thesis submission/ degree awarded

Faculty	Continue		Awarded	
	Ph. D.	M. Phil	Ph. D.	M. Phil
Prof. K. Choudhary	07	00	00	00
Prof. B.B. Malik	06	01	00	01
Prof. Manish K. Verma	07	00	00	00
Prof. Birendra N. Dubey	05	01	01	01
Dr. Jaya Shrivastava	05	01	00	02
Dr. Brajesh Kumar	03	00	00	00

II. Number of student completed their Master/ Graduation/ Diploma

18 Students completed Master from the Department.

III. Number of students selected in civil services (UPSC/UPPSC)

01 Students selected in civil services

IV. Number of students pursuing higher studies

11 (01 Student in M. Phil., 08 Students in Ph. D and 01 Post Doctoral Fellow)

V. Number of students awarded SLET/NET/JRF any other fellowship

NET	06
JRF	04
RGNF	02

VI. Detail of the Publications of the students(Books/Article/Books' Chapters)

Sl. No.	Name Students	Books	Articles	Book Chapters
1	Ms. Komal Gautam	--	02	--
2	Ms. Shikha Singh	--	02	--
3	Mr. Rahul Kumar Yadav	--	01	--
4	Ms. Varsha Singh	--	01	--
5	Mr. Ashok Kumar Sonkar	--	01	--
6	Ms. Jyoti Shukla	--	01	--

13. Google profile of the faculty members

1. Prof. Kameshwar Chaudhary - Yes
2. Prof. Bibhuti Bhushan Malik - Yes
3. Prof. Manish K. Verma - Yes
4. Dr. Birendra Narain Dubey - Yes
5. Dr. Jaya Shrivastava - Yes
6. Dr. Brajesh Kumar - Yes

DEPARTMENT OF ECONOMICS

The Department of Economics was established in 2000 to provide quality education and training through advance method of learning and engaging the students and faculties with meaningful research. The department is committed to make an institute of academic excellence in teaching & research in applied and contemporary economic issues. The department currently run M.A., M.Phil. & Ph.D. Programmes in Economics. The department has well qualified faculties with National & International exposure in teaching & research. The department frequently updates the syllabus in order to cater to the demand of students.

1. Courses Offered

Sl. No.	Course	Session
01	M.A. in Economics	2020-21
02	M.Phil. in Economics	2020-21
03	Ph.D. in Economics	2020-21

2. Facilities available in the Department

i. Department has latest well developed computer centre with internet facility, statistical software such as Stata & SPSS.

ii. Departmental air conditioned library has latest text and reference books, journals, magazine, news papers, e-journals to support research Students and Projects.

iii. Smart Class Rooms are available in the department

iv. Each faculty has latest computer facilities with statistical software and individual chamber.

3. Details of the Faculty

i. Dr. N.M.P. Verma

Professor

Qualification:M.A. , Ph.D.

Specialization: Development Economics, Macro Economics, Industrial Economics

ii. Dr. Sanatan Nayak

Professor & Head

Qualification: M.A., M.Phil., Ph.D. M.Sc. (Ecology & Environment)

Specialization: Environmental Economics, Econometrics, Computer Applications in Economics, Agricultural Economics

iii. Dr. L. C. Mallaiah

Associate Professor

Qualification:M.A. M. Phil.,Ph.D.

Specialization: Micro Economics, Ambedkar Economics, Gender Economics, Economics of Discrimination

iv. Dr. D. K. Yadav

Assistant Professor

Qualification: M.A., Ph.D.

Specialization: Monetary Economics, Econometrics Mathematical Economics, Statistics, Public Economics

v. Dr. Surendra Meher

Assistant Professor

Qualification: M.A., M.Phil., Ph.D.

Specialization: Labour Economics, Agricultural Economics, Economics of Growth and Development, International Economics

vi. Dr. Pranav Kumar Anand

Assistant Professor

Qualification: M.A., M.Phil., Ph.D.

Specialization: Agricultural Economics, Economics of Growth and Development, Quantitative Methods, Public Economics & Indian Economy

4. Details of the Seminar/Conference organised by the Department

i. 3rd *ASEDS Conference, DSMNRU, on* Globalisation, Growth and Sustainability", November 14-15, 2019 at DSMNRU, Lucknow in the capacity of ASEDS president.

ii. BEMM International conference at Istanbul, Turkey in the capacity of Member, Technical Committee, October 1-3, 2019.

5. Co-curricular/Extra-curricular/Sport Activities

i. The 'Extracurricular Activities Committee' of the Department of Economics organized a debate competition "Economic Slowdown in recent years in India" on 28-11-2019 in Room No. 003 of the department of Economics

ii. A cricket match organized between Second Semester and Fourth Semester students on 24-01-2020 in the university cricket ground.

6. Visitors of Department from inside the country

i. Special Lecture organized by the Department on "**Challenges and Prospective of Present Indian Economic Development**" 12/07/2019by **Prof. Kanhaiya Ahuja,** Deptt. of Economics, Devi Ahilya Vishwavidyalaya, Takshashila Campus, Khandwa Road, Indore

ii. Special Lecture organized by the Department on "**Crisis of Agriculture: A Comparative Study of India's Two Most Populous States UP & Maharashtra**" 17/07/2019 by **Prof. Rakesh Raman,** Deptt. of Economics,BHU, Varanashi

iii. Special Lecture organized by the Department on "**Globalsation and Indian Economy**" 06/08/2019 by **Prof. D K Madaan,** Deptt. of Social Science,Punjabi University, Patiala, Punjab

iv. Special Lecture organized by the Department on "**Sectoral Slowdown in Indian Economy**" 04/09/2019 by **Prof. Prahlad Kumar,** Ex-Head, Deptt. of Economics,Former Dean, School of Social Science, Allahabad University, Allahabad

v. Special Lecture organized by the Department on "**Sustainable Development**" 13/09/2019 by **Prof. Mrutyunjaya Mishra,** Deptt. of Economics,School of Social Science, BHU, Varanasi, UP

vi. Special Lecture organized by the Department on "**Universal Health Coverage in National and Global level**" **04/02/2020**by **Dr. C. S. Verma, GIDS, Lucknow**

7. Visitors of Department from outside the country

i. Special Lecture organized by the Department on "**Contemporary**

Development Economics" 14/11/2019 by **Prof. Elias Hossain,** Department of Economics,University of Rajshahi, Rajshahi, Bagladesh

ii. Special Lecture organized by the Department on "**Caste Based Discrimination and its Effect on Financialization & Crime Reporting**" **06/02/2020** by **Prof. Kamlesh Kumar,** Deptt. of Finance, Business School, Durham University, U.K.

8. Members/fellowship of professional/ Academic bodies/editorial board

Prof. N M P Verma

i. Editor-in-chief**,** International Journal of Social Science & Development Policy

ii. Editorial Board, International Journal of Economics & Finance, Toronto, Canada

iii. Editorial Board, International Banking & Finance, USA

iv. Editorial Board, Varta, published by Allahabad University

v. President, ASEDS, Lucknow

vi. President, UP & Uttarakhand Economic Association, 2019 Conference

vii. Invited Member, Executive Committee, Indian Economic Association (New Registered)

viii. Life Fellow, Indian Social Science Academy, Allahabad

ix. Life Member, Indian Society of Labour Economics, Delhi

x. Life Member, Indian Political Economy Association

xi. Life member, Indian Institute of Public Administration, New Delhi

Prof. Sanatan Nayak

i. Working As Head, Dept. of Economics

ii. Chairman in DRC and BPGS, Silver Jubilee Committee, OBC committee.

iii. Member in School Board of AC, ICC, NIRF, and Equal Opportunity Cell etc.

9. Details of Books chapter in edited volume

Prof. N M P Verma

Degree of financial inclusion: a comparative study among the Asian countries, Routledge Handbook of Exclusion, Inequality and Stigma with *Dr. Sudip Mukherjee, Anirban Sarkar and NMP Verma* (in Press).

Dr. Surendra Meher

"Impact of Globalisation on Economic Growth and Employment in India with Special Reference to Kerala" (Jointly with Ruchi Bhalla and Naresh Mallik) in **Globalisation and Development: Perspectives and Policies edited by** Achiransu Acharyya, Soumyadip Chattopadhyay, Apurba Kumar Chattopadhyay (2019), Gyan Publishing House, New Delhi-110002, pp.11-124, ISBN: 9788121215633

10. Paper published during the year by the faculty members

Prof. N. M. P. Verma

i. N.M.P. Verma, Fading Indian Economy: Sharper Slowdown, Slower Recovery, UPUEA Journal, Vol.15, Section 1, PP 89-119.

ii. N.M.P. Verma, "Constrained Knowledge Multiplier Led Market Imperfections in Developing Economies," PET Vol. 54, Special Issue on: Business Economics & Management Research, International Centre for Innovation & Development (ICID), Tunisia, PP. 29-34, ISSN : 1737-9334

iii. Pratinidhi & N.M.P. Verma, Aging and Health Infrastructure of U.P. , UPUEA Economic Journal, Vol 15, PP 1-4 with Kanti Devi, November 2019.

iv. Status of Production and Capital Investment of Agro-based Industries-Agra & Hathras, Studies in Indian Place Names, UGC Care Journal ,ISSN 2394-3114, Vol.4, N0.1, January 2020 (with Dr. Hemlata).

v. Impact of Global Financial Crisis on Unemployment: A Study of India, UPUEA ECONOMIC JOURNAL, Vol.15, Section 1, November 19, (with Pratinidhi)

vi. Edited one Volume of International Journal of Social Science Development Policy published by BBAU/ASEDS, Vol 5, No.1, 2019 June.

Prof. Sanatan Nayak

i. Development of Sustainable Livelihood Security Index for Different Agro-Climatic Zones of Uttar Pradesh, India, along with Surendra Singh, **Journal of Rural Development**, Vol.39, No. 1, 2020.

ii. Farmers' Perception and Micro-level Climate Adaptation Strategies in Bundlekhand Region, India, along with Surendra Singh and R.K. Kanojia, **Asian Journal of Advances in Agricultural Research**, Vol.12, No.3, 2020.

iii. Future Climate Change impacts on Crop Productivity in Coastal Regions of India: A Panel Estimation, along with Surendra Singh and Alka Singh, **Climate Change**, Vol.6, No.21, 2020.

iv. The Dynamics of Feminization in Indian Agriculture, along with Pragya Sharma, **Journal of Rural Development**, Vol.38, No.2, 2019.

Dr. D K Yadav

i. Ekta, & Yadav D. K. (2020), "Regional Scenario of Financial Inclusion: Banks and Microfinance Services", "International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, Volume 8, Issue5, PP 2911-2921

ii. Malik Firdous Ahmad, & Yadav D. K, (2020), "Purpose of Savings and its Determinants in Case of Destitute Population: An Empirical Analysis of Slum Dwellers", International Journal of Social, Political and Economic Research, ISSN 2667-8810, Volume 7, Issue 3, December, PP 499-517

iii. Yadav, D. K. (2020), "Inclusiveness of Recent Financial Inclusion Schemes: A Field Level Investigation from Atrauli and Jabrauli Village of Lucknow District", Global Journal of Research in Management, Volume 10, Number 1, PP 27-43

Dr. Surendra Meher

i. "Quality Education and Inclusive Growth in India with Special Reference to Kerala", Universal Review (Jointly with Ruchi Bhalla), Volume VIII, Issue VI, June 2019, pp.157-174. ISSN NO : 2277-2723.

ii. "Employment Performance of Small Scale Industries in Jammu and Kashmir" Think India Journal,(Jointly with Suhail Ahmad Bhat) Vol-22-Issue-10-November-2019 pp. 2136-2146. ISSN: 0971-1260.

iii. "Education, Employment and Economic Growth with Special Reference to Females in Kerala", Indian Journal of Labour Economics, Springer (Jointly with Ruchi Bhalla), Vol.62, Issue 4, 2019 (October-December) pp. 639-658, ISSN: 0971-7927.

Dr. Pranav Kumar Anand

i. Pranav Kumar Anand and Yasar Mehmood, *'Agricultural Dynamics in Jammu & Kashmir: Issues and Challenges'*, 'Studies in Indian Place Names', **UGC Care Journal,** Vol-40-Issue- 56;pp.471-483; **ISSN: 2394-3114; March -2020.**

ii. Pranav Kumar Anand and Yasar Mehmood, "*Issues and Challenges in Higher Education: With Special Reference to Jammu and Kashmir"*, Our Heritage, **UGC Care Journal,** Vol.68, Issue.30**; ISSN: 0474-9030; February, 2020.**

iii. Pranav Kumar Anand, 'Agriculture and Sustainability Questions'. '*Studies in Indian Place Names;***UGC Care Journal**, Vol-40-Issue-1**;** pp.1449-1453**; ISSN: 2394-3114; January-2020.**

11. Attended/participated/presented paper in conference/seminar/workshop inside country

Prof. N.M.P. Verma

i. Delivered Presidential Address, ASEDS Conference, DSMNRU, on Globalisation, Growth and Sustainability", November 14, 2019.

ii. Presidential Address UPUEA conference, Kumaon University, Nainital, November 10, 2019. Macroeconomic Growth in India:Sharper Slowdown Slower Recovery.

iii. Delivered Chairmans 'Address on 'Macroeconomic Instability', 43rd *Indian Social Science Academy Conference, Economic Science Session 12, Bengaluru Central University, Bengaluru, January 17, 2020.*

iv. Delivered inaugural session lecture 9 on Research Methodology Course, School of Education, BBAU entitled 'Research Setting in Social Sciences: Ending Towards Bueauty and the Bliss,' October 19, 2019.

v. Attended NAAC assessors' Orientation workshop at GB Pant University of Agriculture and Technology, Pantnagar on 19.08.2019 and chaired a session of Criteria -2 "Teaching-Learning & Evaluation."

vi. Delivered Presidential Address on 'Stability, Inequality and Sustainability." in Avadh Economic Association Conference Inaugural Session, PBPG College, Pratapgarh, November 4, 2019

Prof. Sanatan Nayak

i. **Sanitation Induced Health Costs in the Slums of Lucknow, Uttar Pradesh,** A paper presented in the INSEE-CESS International Conference on "Climate Change and Disasters: Challenges, Opportunities and Responses, the Tenth Biennial Conference of INSEE at the Centre for Economic and Social Studies, Hyderabad, India during 6-8 November, 2019.

ii. Worked as a member in the technical advisory committee (TAC) and delivered a lecture on Importance of Micro-Environment in Urban India in the TAC meeting on "Conceptualizing of Multidimensional Poverty in Urban Maharashtra" conducted by IIPS, Mumbai on 11th June, 2019.

iii. Sources, Accessibility and Quality of Drinking Water in Lucknow Slums, Uttar Pradesh, A paper presented in N**ational Seminar on "Sustainable Water Management and Water Conservation"**, Organized by The Institution of Engineers (India), U.P. State Centre at Lucknow on November 2-3, 2019.

iv. Participated in Two Days Training Programme on "Open Data Kit (ODK) workshop held at School of **Economics**, University of Hyderabad, during 10th-11th January, 2020.

v. Participated in the Global consultation workshop for providing inputs/comments on "Medicines related Issues and Universal Health Coverage", organized by GIDS, 3rd February, 2020.

vi. Acted as Expert in the workshop of submission of Project Reports by GIDS to Department of Economics and Statistics, Government of Uttar Pradesh on 25th January, 2020.

vii. Participated in stakeholder consultation workshop for providing inputs/comments on "Million Farmers School in Uttar Pradesh: Evolution, Impacts and Way Forward", 2019 organized by IFPRI and ICAR on 12th September, 2019.

viii. Participated as a member in Technical Advisory Committee on Multidimensional Poverty Measurement, conducted by IIPS on 11th June, 2019, Mumbai for Government of Maharashtra.

Dr. Surendra Meher

i. "Growth Trajectories in India during Post Globalisation Era: The Ways Ahead" paper

presented at 3rd Annual Conference of ASEDS on "Globalisation, Growth and Sustainability" during 15th & 16th November 2019, organized by Department of Economics, Dr. Shakuntala Mishra National Rehabilition University, Lucknow.

ii. "Labour Reforms in India in Globalised Era: The Future Agenda" paper presented in the National Seminar on "Indian Constitution and Social, Economic, Political Justice: Issues & Challenges on the occasion of Constitution Day 26th November, held during 26th November 2019 organised by Department of Law, School of Legal Studies, BBAU, Lucknow.

iii. "Role of Higher Education for Human Capital Formation in India" presented at two days National Seminar of "Contribution of Educational Institutions in Nation Building: A Futuristic Approach", 10-12 January, 2020 organized by BBAU, Lucknow.

iv. "Trajectories of Rural-Urban Development Through Micro, Small and Medium Enterprises in India" presented at Seventh Northern Regional Social Science Congress on "Social Science and Nation Building: Issues and Challenges", February 02-04, 2020, jointly organized by Indian Council of Social Science Research-NRC, New Delhi and U.P. Rajarshi Tandon Open University, Prayagraj.

v. "Inequalities in Labour Market Participation across Social Groups in India: Review and Evidences from NSS Data" paper presented at 20th Annual Conference of Indian Association of Social Science Institutions (IASSI), organized by Institute of Social and Economic Change (ISEC), Bengaluru during 27-29th February, 2020.

Dr. Pranav Kumar Anand

i. Presented paper on, '*Educational Institution and its Challenges*: A Futuristc Approach', 24th Anniversary of Foundation day of BBAU, Lucknow; **10-11 January, 2020.**

ii. Presented paper on, '*Right to Quality Education and Institutional Challenges*', ICSSR Sponsored Seminar Theme on " Indian Constitution and Social, Economic, Political Justice: Issues and Challenges", Department of Law, School of Legal Studies, BBAU, Lucknow; On Constitution Day; **26th November, 2019.**

iii. Presented Paper on, '*Inequality, Growth and Institutional Challenges in Education*', 3rd Annual Conference of ASEDS Theme on, "Globlization, Growth and Sustainability; Department of Economics; Dr. Shakuntla Mishra National Rehabilitation University, Lucknow; **15-16 November, 2019.**

iv. Presented paper on, '*Agriculture and Sustainability Questions'*, International Conference on, "Roadmap to Sustainability: Environment and Health", held at Sri Guru Gobind Singh College, Sector.26, Chandigarh, Punjab; during **05-06 March, 2020.**

v. Presented paper on, '*Environmental Concerns and Contract farming'*, in the International Conference on, "Global framework in the Local Context: Challenges and Way Forward", held at Centre for research in Rural and Industrial development (CRRID), Chandigarh, Punjab; **5-7 December, 2019.**

12. Symposium/Workshop

i. Certificate of Participation for One day Symposium Awareness Generation Programme on,' '*Problem of Addiction among Youth and role of Various Stakeholders in Drug Demand Reduction'*, organised by Centre for the study of Social exclusion and Inclusive Policy, BBAU, Lucknow with collaboration of National Institute of Social defence, Ministry of Social justice and Empowerment, Govt of India, **November 27, 2019.**

ii. Certificate of Participation for Two days Workshop National Seminar cum

Workshop on, "*Academic Writings: Addressing the Contemporary Challenges*", organised by, Centre for Academic leadership and Education Management (CALEM), Department of Education, Panjab University, Chandigarh; **21-22 November, 2019.**

iii. **Certificate of Participation for One Day Symposium** on "*Rising inequality in Education*", Department of Sociology, BBAU, Central University, Lucknow; (Vigyan Foundation; Oxfam India); **October 31, 2019.**

13. Attended/ participated in conference/ seminar/workshop outside country

Prof. N M P Verma

i. Paper presented in BEMM-2019 Istanbul, Turkey on Constrained Knowledge Multiplier in Developing Economies, October 1-3, 2019.

ii. 9th IIMS International Conference December 1-3, 2019 at Hanoi Industrial Textile Garment University, Paper presented" Industrial Opportunities in Flood Prone Area of Indo- Nepal Fring", Hanoi, Vietnam

14. Consultancy works, if any

Prof. N M P Verma

i. Member, Advisory Board, Lohia Chair, DRMLAU, Ayodhya

ii. Member, Board of Studies, DRMLAU, Ayodhya

iii. Member, DRC, DRMLAU, Ayodhya

iv. Member Technical Committee, BEMM 2019 Conference, Istanbul, Turkey

15. Details of invited lectures inside country

Prof. N M P Verma

i. Delivered Convocation Lecture in Dept of Economics & Rural Development on 16.09.2019 on 'Macroeconomic Policy Shift and Slowdown in Indian Economy,' DRMLAU, Ayodhya.

ii. Lecture on Case Study at School of Management, Commerce& Economics, Ram Swaroop Memorial University, Lucknow, April 13, 2019.

iii. Social Science Research Workshop Lecture, DRMLAU, Ayodhya, April -24-25, 2019.

iv. Research Methodology course lectures, dept of political science, BHU, Varanasi, on i. Research Type and tests, ii. Variables, 22.06.2019.

v. Live Telecast India News Channel Panel Discussion on 04.07.2019 on Economic Survey, 2018-19 presented by FM

vi. Live Telecast India News Channel Panel Discussion on 05.07.2019 on Budget, 2019-20 presented by FM

vii. Live Telecast India News Channel, Panel Discussion on July 27.2019 on Investment Summit, July 2, 2019 presented by FM

Prof. Sanatan Nayak

i. Delivered the views on the Panel Discussion-I entitled "Sustainability vis-à-vis Growth and Globalization", in the **Third Annual Conference of ASEDS** on 15-16 November, 2019 organized by Department of Economics, Dr. Shakuntala Mishra National Rehabilitation University, Lucknow, Uttar Pradesh.

ii. Delivered a special lecture on topic entitled "**Demography, Agriculture, Food Security and Sustainability**" on 27th February, 2020 in the Two Days National Seminar on Demographic Structure in India organized IRITM (CDMT), Lucknow.

iii. Delivered a special lecture on topic entitled "Basic Amenities in Indian Slums: Housing, Drinking Water, Sanitation and Micro Environment" on 5th February, 2020 in the Two Weeks Inter Disciplinary Capacity Building Programme for Faculty Development organized by GB Pant Social Science Institute, Allahabad

16. Details of Research Projects (Major and Minor)

Prof. Sanatan Nayak

A Major Research Project entitled "Pricing and Health Cost Measurement in Urban Drinking Water: A study of Slum and Non Slum Areas in Lucknow, Uttar Pradesh" has been underway since March 2016. The report of research project has been submitted to the Indian Council of Social Science Research (ICSSR) during April, 2019.

Dr. Surendra Meher

A major Research Project entitled "Occupational Segmentation and Intergroup Inequality in Labour Market in India: A Field Investigation from Odisha" has been underway since March 2016. The report of research project has been submitted to the Indian Council of Social Science Research (ICSSR) during April 2019.

17. Students achievements

I. No. of student completed their Masters Degree.

27 Session 2019-20, fourth Semester students)

II. No. of student selected in civil services (UPSC/UPPSC).

1. Dr. Amit Singh, DIETTeacher, Meerat, Uttar Pradesh

III. No. of student selection for teaching in higher education.

1. Dr. Arvind Kumar, Assistant Professor (Contract Basis), Monad University, Delhi Hapur Road, Village & Post Kastla, Kasmabad, Dist-Hapur, Uttar Pradesh

IV. No. of student selected on other government jobs/banking/school teaching etc.

1. Altaf Ahmed–Joined, Young Consultant, Ministry of Industry & Commerce, Govt of India, Delhi

V. No. of student awarded SLET/NET/JRF any other fellowship.

i. Mr. Ramesh Ram, MA in Eco., batch 2014- 16, NET qualified in June, 2019

ii. Ms. Shanu Kumar, M.Phil. in Eco., batch 2013-15 NET qualified in June., 2019

iii. Mr. Shekhar, M.Phil. in Eco., batch 2016-18, NET qualified in June., 2019

iv. Ms. Sanju Rawat, MA in Eco., batch 2016-18, NET qualified in June., 2019

v. Mr. Yasar Mahmood, Ph.D. in Eco., batch 2018-19, NET qualified in June, 2019

vi. Mr. Prabhat Kumar, MA in Eco., batch 2016- 18, NET qualified in June, 2019

vii. Mr. Supriya Gautam, M. Phil. in Economic Batch 2018-19, NET qualified in June, 2019.

viii. Ms. Monika Verma, Roll No. UP1205205831, M.A. in Economic Batch 2019-20, NET qualified in 2019.

VI. Faculty wise supervision of the Ph.D. and M.Phil. student/Dissertation and thesis submission/degree awarded.

i. Faculty wise supervision of the Ph.D. Degree awarded:-

Sl. No.	Name of Scholars	Name of Supervisor	Ph.D. Topic
01	Vandana Ahirwar	Prof. Sanatan Nayak	An Economic Analysis of Air Pollution: A Case Study of Lucknow, India
02	Arvind Kumar	Dr. Surendra Meher	Trends and Patterns of Women Employment in Unorganized Sector with special reference to Uttar Pradesh
03	Amit Singh	Dr. L. C. Mallaiah	Impact of Corporate Farming and Agricultural Development in Uttar Pradesh
04	Deepanjali Das	Prof. N.M.P. Verma	Credit Lending Behaviour of Banks in Consonance to Flexible Monetary Policy:A Comparative Study of Large Bank and Small Bank

ii. Faculty wise supervision of the Ph.D. Thesis Submitted:-

Sl. No.	Name of Scholars	Name of Supervisor	Ph.D. Topic
1	Parul Verma	Dr. L.C. Mallaiah	The Pertinence of Dr. B.R. Ambedkar's Views on Economic Development after New Economic Reforms in India
2	Pragya Sharma	Prof. Sanatan Nayak	Groundwater Sustainability : A Common Pool Resource Approach Towards its Management
3	Ruchi Bhalla	Dr. Surendra Meher	Interlinkages between Human Development Indicators and Economic Growth in India : A Study with Reference to Kerala and Uttar Pradesh
4	Ravindra Sah	Dr. Sanatan Nayak	Indoor Air Pollution and Poverty: Comparative Study of Rural Bihar and Rural Uttar Pradesh
5	Kanti Devi	Prof. N M P Verma	Innovation and Exclusion in Health Sector: A Study of Old Persons
6	Pratinidhi	Prof. N M P Verma	Short Run Linkage between Inflation and Unemployment during Pre and Post-Recession : A Study of India
7	Pawan Kumar Gupta	Prof. N M P Verma	Multinational's Investment in the Economy of Uttar Pradesh : A Study of Noida

iii. Faculty wise supervision of the M.Phil. Dissertation Awarded:

Sl. No.	Name of Scholars	Name of Supervisor	M. Phil. Topic
1.	Supriya Gautam	Dr. L. C. Mallaiah	Empowerment of Women through MGNREGA: A Study of Auriya District in Uttar Pradesh
2.	Abdul Ahad	Dr. Pranav Kr. Anand	Status of Human Development of Muslim Women: A Case Study of Sultanpur District, Uttar Pradesh

iv. Faculty wise supervision of the M.Phil. Dissertation Submitted:

Sl. No.	Name of Scholars	Name of Supervisor	M.Phil.Topic
1.	Ashvanee Kumar	Prof. Sanatan Nayak	The Economic Assessment of Swachh BharatAbhiyan (Gramin) in Uttar Pradesh : A Case Study of Auraiya Distrct
2	Saleha JameelAnsari	Dr. D K Yadav	Misalignment between Foreign Exchange Rateand Fundamental Variables: A Comparative Study of India, China and USA
3	Asma Farooq	Dr. Pranav Kumar Anand	Status, Availability and Utilisation of HealthServices for Women : A Study of Kulgam District of Jammu and Kashmir
4	Shanu Kumar	Prof. N M P Verma	An Analysis of Exchange Rate Determination and Factors Affecting its Volatility in India : A Time Series Analysis

v. a. Faculty wise supervision of the Ph.D. Student pursuing Ph.D. degree:

Sl. No.	Name of Scholars	Name of Supervisor	Ph.D. Topic
1	Priti Jha	Prof. Sanatan Nayak	Linkage between Trade and Scarcity of Water : A Case Study of Water Intensive Industry in Uttar Pradesh
2	Alka Singh	Prof. SanatanNayak	Displacement Due to Development of Projects: A Case Study of Lucknow District in Uttar Pradesh
3	Ekta	Dr. D. K. Yadav	Micro-Finance Movement in India : A Comparative Study of Southern and Northern Part of India
4	Altaf Ahmad	Prof. NMP Verma	An Analysis of Promotion and Performance of MSMEs : A Study of Jammu and Srinagar Districts
5	Firdous Malik	Dr. D K Yadav	Impact of Recent Financial Inclusion schemes on Financial behaviour of Poorest of the Poor : A Comparative Study of Slum Dwellers and Beggars in Lucknow and Kolkata
6	Suhail Ahmad Bhat	Dr. Surendra Meher	An Economic Analysis of Small Scale Industries : A Comparative Study of Jammu and Kashmir
7	Naveen	Prof. N M P Verma	Political Economy of Public Expenditure in India during Post-Reform Period: Social Choice Vs Redistribution
8	Anjali Singh	Prof. N M P Verma	An Economic Analysis of Investment and Marketing Efficiency of Jaggery Industry in UP: A Study of Ayodhya District
9	Ekta Srivastava	Prof. Sanatan Nayak	Economic Development and CO_2 Emissions: A Household Level Study of Lucknow District in Uttar Pradesh.
10	Mukesh Kumar	Prof. Sanatan Nayak	Capital Formation in Agriculture Sector in India: A Case Study of Bundelkhand Region
11	Pawan Kumar Rao	Dr. L C Mallaiah	Impact of New Economic Reforms on Leather Industries in Uttar Pradesh
12	Mohd Abdullah	Dr. L C Mallaiah	Human Development Index of Gujjars in Jammu and Kashmir
13	Vidhya Bharti Rai	Dr. L C Mallaiah	Economic Analysis of Cultivators in Uttarakhand: A Gender Persepective
14	Rabiya Javed	Dr. D K Yadav	Impact of Monetary and Fiscal Policies on Macroeconomic Variables.
15	Shekhar	Dr. Surendra Meher	Evaluation of Agricultural Market Efficiency in India: A Comparative Study of Punjab and Uttar Pradesh
16	Samarth Shukla	Dr. PranavKumar Anand	Sectoral Dualism in India: A Study of StructuralChange since 1991
17	Yasar Mehmood	Dr. PranavKumar Anand	An Economic Analysis of Agricultural Sector inJammu & Kashmir from Since 1991.

vi. Faculty wise supervision of the M.Phil. student pursuing M.Phil. degree:-

Sl. No.	Name of Scholars	Name of Supervisor	M.Phil.Topic
1.	Pragya Patel	Dr. L C Mallaiah	Economic Evaluation of State Co-operative Agriculture and Rural Development Banks.
2.	Anjali Singh	Prof. N M P Verma	Crude Oil Prices: Its Impact on the Profitability and Performance of National Oil Companies in India.
3.	Nathoo Bharti	Prof. Sanatan Nayak	Not decided
4.	Ramesh Ram	Dr. Surendra Meher	Not decided

ix. Ms. Sukriti Pandey, Roll No. UP1205200975, M.A. in Economic Batch 2019-20, NET qualified in 2019.

x. Mr. Nakul Deowanshi Roll No. UP1205201367, M.A. in Economic Batch 2019-20, JRF/NET qualified in 2019.

vii. PDF pursuing:

Prof. N M P Verma

PDF topic entitled "Productivity Performance of Agro-Based Industries in Western Uttar Pradesh-An Analytical Study", by Dr. Hemlata pursuing since Feb., 2017, ICSSR sanction letter no. F.No.-3-03/2016-17/PDF, dated 14.03.2017.

Prof. Sanatan Nayak

PDF topic entitled"Inequities and Health Costs Measurement in Urban Drinking water and Sanitation: A Case Study of Lucknow City", by Dr. Rashmi Tiwari pursuing since July, 2017, ICSSR sanction letter no. F.No.-3-05/2016-17/PDF/SC, dated 19.01.2017

DEPARTMENT OF HISTORY

The Department of History started functioning since the year 1996 and was located in the School of Ambedkar Studies now renamed as School of Ambedkar Studies for Social Sciences. It has the reputation of being one of the oldest centers where keeping in mind the ideology of Dr Ambedkar, interdisciplinary historical research and teaching with special focus on 'History from below' is being carried out with a team of dedicated faculty members and research scholars.The faculty members have been associated with various research projects sponsored by some of the reputed organizations like ICHR. As a part of an academic endeavour, the faculty members have had the privilege of visiting some of the prestigious educational institutions both in India and abroad. They have visited countries like UK, Thailand, Srilanka, Canada, Singapore, Bangladesh, China and Myanmar. They have also been invited to some of the renowned Universities like Mandalay Buddhist University in Myanmarand Oxford University in England. Department also has had the privilege of having many international scholars from Oxford University, Cambridge University, Columbia University and Birbek University, London. The department signed an MOU with the University of Kelaniya, Srilanka. In that regard Prof Sunanda Madduma Bandara,Hon'ble Vice Chancellor of University of Kelaniya visited the department. In order to further enrich its research experiences, the department continuously engages itself in organizing both national, international seminars and special lectures both for the benefit of the faculty and for the students. The students of the department are also involved in carrying out research activities in diverse areas. Apart from securing UGC's JRF, NET, the scholars have also been awarded ICHR fellowship, Swami Vivekanand Single Girl Child fellowship, Rajiv Gandhi National fellowship. They are encouraged to participate in national and international seminars both in India and abroad and get their research papers published in acclaimed journals approved by the UGC. The research scholars participate and make presentations at the annually held Indian History Congress sessions. The curriculum of M.A. programme covers wide range of themes revolving around socio-economic, political and cultural history of ancient, medieval, modern and contemporary India with an emphasis on the history of the marginalized communities. Besides these, the department also offers papers on environmental history, Diaspora history and few non-Indian history papers. The students are provided with facilities like smart classroom, departmental library, internet facilities etc. which facilitates them in clearing some of the challenging examinations like Civil service Examinations, they are also finding employment as Assistant Professors in Colleges and Universities. Many of our students are pursuing studies in JNU, Jamia Millia Islamia University, IGNOU, BHU, Punjab University, Patiala and University of Gujarat. The main objective of the department is not only to equip students to secure employment but also expose them to a variety of cultures and human experience and train them in the interpretation of conflicting evidences. The department also diligently works in preparing students for responsibilities of citizenship and for dealing with ambiguities of human existence. It provides an intellectual challenge as well as stimulus to the imagination and analytical thinking.

1. Courses offered–

i. M.A

ii. M.Phil

iii. Ph.D

2. Facilities available in the Department

Departmental Library

3. Details of Faculty

i. Prof. S. Victor Babu

Professor & Head

M.A, M.Phil & Ph.D

Late Medieval Indian History, Environmental History and Christianity in North East India and Historiography

ii. Dr. Shura Darapuri

Professor

M.A, M.Phil&Ph.D

Modern Buddhist movements

iii. Dr. V. M. Ravi Kumar

Assistant Professor

M.A, Ph.D

Modern Indian History, Environmental History, Dalit and Tribal History of modern India

iv. Dr. Renu Pandey

Assistant Professor

M.A, Ph.D

(Leave Vacancy)

General Studies Business History, Modern Social Thinkers

v. Dr. Siddharth Shankar Rai

Assistant Professor

M.A, D.Phil

Ancient History & Archaeology

4. Co-curricular/Extra-curricular/sports Activity by the department:

Cultural programs organized by students on various occasions like Teachers day, Welcome, Farewell etc; Plantation drives.

5. Members/Fellowship of Professional/ Academic Bodies/Editorial board

i. Prof. S. Victor Babu

a. Indian History Congress L.M No. 2332

b. Northeast History Congress

c. Andhra Pradesh History Congress

d. DRC Chairperson

ii. Prof. Shura Darapuri

a. Indian History Congress

b. UP History Congress

c. All India Rights Organization (A Chapter of NainaDayal Foundation)

d. Maha Bodhi Society of India

e. Member, DRC, Department of History, BBAU

f. Member, BPGS, Department of History, BBAU

g. Member, School Board, SASSS, BBA

h. Member Academic Council, BBAU

i. Member, RDCU, Department of History, BBAU

iii. Dr. V. M. Ravi Kumar

a. Member of Indian History Congress

b. Member of Uttar Pradesh History Congress

iv. Dr. Sidharth Shankar Rai:

a. Fellow of the Royal Asiatic Society of Great Britain and Ireland, U.K.

b. Associate, Electronic Cultural Atlas Initiative, University of California, Berkley, USA

c. Life Member, Indian Science Congress Association, India

d. Life Member, Indian Society of Prehistoric and Quaternary Studies, India

e. Member, Department Admission Committee, Department of History, BBAU

f. Member, Departmental Research Committee, Department of History, BBAU

6. Details of Books written/edited by faculty members

Prof. S. Victor Babu

Handbook of Inequality, Exclusion & stigma in India, Routledge, Francis & Taylor London, UK, ISBN 978-0-367-27238-8 (hbk), ISBN 978-0-429- 2950-6 (ebk) Realsing on Aug, 21, 2020, World Over, Global edition (in press).

Dr. V. M. Ravi Kumar

i. Railways and Forests: History of Railways and their impact on Forest Policies of South India 1850-1900, Gangaswar Naik ed, History of Railways in South Asia, 2000.

ii. V.M. Ravi Kumar, Discourse on Indian Civilisation: A Study on Ideas of B.R. M. Abrhamed Ambedkar as Visionary Thinker, 2000.

7. Paper Published during the year by the faculty members

Dr. V. M. Ravi Kumar

i. Arvind Swroop and V.M. Ravi Kumar, Emergence of Eco-Feminism in India: A Survey of Literature, Studies in Indian Place Names, Vol 40, no. 60, 2020, pp. 672-683.

ii. Ashraf Wani and V.M. Ravi Kumar, The Tribes and Environment: A study of Gujjers and Bakiriwale of Kashmir, Public Affairs and Governance, Vol, 7, No. 1, March 2019, pp. 14-22.

iii. V.M. Ravi Kumar, Mohd Ashraf Wani, History of Green Journalism: Forest Policy and Native Press in Colonial South India (1880-1920), Journal of Humanities and Social Sciences. 2019; 10(4): pp. 1001-1005.

iv. Shiv Yadav and V.M. Ravi Kumar, Ecological Nationalism in India: A Study on Indian Environmental History, Research Journal of Social Science, Vol. 10, no 4, April 2019, pp. 372-378.

8. Attended/participated in Conferences/ seminar/workshop inside Country

Prof. S. Victor Babu

i. Two day Online National conference on Migrant Labour: A Political–Economic-Social Culture perspective organized by St. Aloysius College (Autonomous) Jabalpur, Madhya Pradesh, 26th– 27th June, 2020.

ii. **NEP, 2020,** Achieving Excellence in Higher Education in India in 21st Century, National Webinar on 4th Sept. 2020, I.T College Lucknow.

iii. **NEP, 2020,** Achieving Excellence in Higher Education in India in 21st Century, National Webinar on 26th Sept. 2020, Don Bosco college Nagaland.

Prof. Shura Darapuri

i. Two Days Yoga Workshop on Self- Management of Excessive Tension/Stress (SMET-2019), organized by Babasaheb Bhimrao Ambedkar University, Lucknow in collaboration with Swami Vivekanand Yoga Anusandhana-S-VYASA, Bengaluru,17-18 August 2019.

ii. One day Awareness Generation Programme on "Problem of Addiction among Youth and Role of Various Stakeholders in Drug Demand Reduction," organizedby Centre for the Study of Social Exclusion and Inclusive Policy, Babasaheb Bhimrao Ambedkar University, Lucknow in collaboration with National Institute of Social Defence, Ministry of Social Justice and Empowerment, Government of India, 27th November 2019.

iii. National Symposium on Empowering Girls for Better Tomorrow organized by Department of Human Development and Family Studies, School of Home Science, Babasaheb Bhimrao Ambedkar University, Lucknow in commemoration of National Girl Child Day, 24 January, 2020.

iv. Five Day National Training Workshop on Environment, Biodiversity and Disaster Risk Management organized by National Institute of Disaster Management, Ministry of Home Affairs, Government of India and Department of Energy and Environment School of Environmental Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow, 2-6 March,2020.

v. Five Day Faculty Development Program on Environment, Bio-Diversity and Disaster Risk Management organized by National Institute of Disaster Management, Ministry of Home Affairs, Government of India and Department of Energy and Environment School of Environmental Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow, 2-6 March, 2020.

vi. Paper on "Women and Human Rights" presented in National Symposium on Human Rights Day, Human Rights in 21st Century: Sustainable Development Goals, organized by Department of Human Rights, School for Legal Studies, Babasaheb Bhimrao Ambedkar University, Lucknow, 10 December, 2019.

vii. Paper on "Bhadant Galgedar Pragyanand ji ka Boudh Dharam ke Prachar Prasarva Samajik Parivartan mein Yogdan" presented in 30th UP History Congress at Khwaja Moinuddin Chishti Urdu, Arabi-Farsi University, Lucknow,16-17 November,2019.

viii. Paper on "Gender Equality in Buddhism" presentedin 30th UP History Congress at Khwaja Moinuddin Chishti Urdu, Arabi-Farsi University, Lucknow, 16-17 November, 2019.

Dr. V.M. Ravi Kumar

i. Presented paper entitled: History of Crime in and around Forests in United Provinces, 1900-1930, 2019.

ii. Eco-Hierarchicus: Conceptualizing Caste System in Indian Ecological Process, National Seminar

organized by Human Rights Department, BBAU, 2019.

iii. History of crime in and around forests in South India (1885-1930), presented in Indian History Congress, Held at Kerala, 2019.

iv. Satish and V.M. Ravi Kumar, **History of Forest Panchayats in Andhra 1885-1930, Indian History Congress, 2019.**

Dr. Siddharth Shankar Rai

जनवरी 10.11.2020: राष्ट्र निर्माण में शैक्षिक संस्थाओं का योगदानः भविष्यवादी दृष्टिकोण आयोजनकर्ताः बाबासाहेब भीमराव अम्बेडकर विश्विद्यालय, लखनऊ

9. Details of invented lectures inside country

Prof. Shura Darapuri

i. 8th International Library and Information Professionals Summit (I-LIPS 2019) on Empowering Libraries with Emerging Technologies for Common Sustainable Future held at Babasaheb Bhimrao Ambedkar University, Lucknow, 22-24 November 2019.

ii. On the occasion of Buddh Purnima, Doordarshan, Lucknow, 2019

iii. On the occasion of Independence Day, Doordarshan, Lucknow, 2019

Dr. Siddharth Shankar Rai

जनवरी 24, 2020: हिंदी साहित्य के संबर्धन में उत्तर प्रदेश के हिंदी साहित्यकारों का प्रदेय, आयोजनकर्ताः उत्तर प्रदेश भाषा संस्थान, उत्तर प्रदेश।

10. Students achievements

I. Faculty wise supervision of the Ph.D and M.Phil student/Dissertation and thesis submission/degree awarded

Ph.D thesis Submitted during the year			
Sl. No.	**Students Name**	**Supervisor**	**Title**
1.	Mohd. Ashraf Wani	DR.V.M.RAVI KUMAR	AGRO ECOLOGY OFKASHMIR DURING DOGRA STATE(1880-1950)
2	Ishan khan	DR.V.M.RAVI KUMAR	SOCIAL HISTORY OF LEATHER INDUSTRY AND TECHNOLOGY INUNITED PROVINCES A STUDY OF AGRA(1860-1950)
3	Thaw Ba Na	Prof. Shura Darapuri	"A Critical Study of Monastic Education in Myanmar AD 1044 (BaganPeriod) to AD 1885 (Kone Baung Period)"
4	Shivangi	Dr. V.M. Ravi Kumar	From God To Doctor: Paediatric Medicine in Colonial and Post-ColonialUttar Pradesh (1880-1980)'
5	Panda Wantha	Dr. V.M. Ravi Kumar	The Refuge in Buddhism: A Comparative Perspective'
6	PonNyar Nanda	Prof. S. Victor Babu	Buddhist Councils: A Historical Study
7	Dhammasara	Prof. S. Victor Babu	Theravada Buddhism in Myanmar and Environmental Ethics (1752-1819)
8	IshaTamta	Prof. S. Victor Babu	CONSTRUCTION OF SHILPKAR IDENTITY IN COLONIAL UTTARKHAND
9	Asmita Yadav	Prof. S. Victor Babu	COPARCENARY RIGHTS OF HINDU WOMEN IN UTTAR PRADESH (1956-2011)

II. Faculty wise supervision of the student pursuing Ph.D degree

Sl. No.	Supervisor	Name of Research Scholars
1	**Prof. S. Victor Babu**	Becha Lal
2		Asmita Yadav
3		Ayushi Visen
4		Pretty Pushkar
5		IshaTamta
6		Mukesh Chandra
7		Rahul Gautam
8		Osadhatheri
9		Toolika Rani
10		Janita

Sl. No.	Supervisor	Name of Research Scholars
1	**Prof. Shura Darapuri**	Pankaj Kumar
2		Rakesh Kumar
3		Alok Saroj
4		Ranjeet Kumar
5		Pannesi
6		SayamevBharteey
7		Kaushalya Kumari
8		Rajiv Kumar Pandey

Sl. No.	Supervisor	Name of Research Scholars
1	**Dr. V.M. Ravi Kumar**	Arvind Swaroop
3		Sathish Kumar Chevuri
4		Rohit Verma

Sl. No.	Supervisor	Name of Research Scholars
1	**Dr. Sidharth Shankar Rai**	Dheeraj Kumar
2		Prerana Rai
3		Sheetal Kumari

11. Google profile of the faculty members

- **Prof. S. Victor Babu**

  https://scholar.google.co.in/citations?user=XkDprYUAAAAJ&hI

- **Dr. Sidharth Shankar Rai**

  https://scholar.google.com/citations?user=yawNUIQAAAAJ&hl

DEPARTMENT OF PUBLIC ADMINISTRATION

The Department of Public Administration is established in year of 2015. The department is dedicated to promote teaching and research in the emerging fields of public administration specially public policy and governance, comparative public administration, personnel administration, civil services reforms, development administration and development debate, financial administration, urban and rural governance, global governance issues, e-governance, exclusion and inclusive policy and human rights while maintaining the scholarship in some of the conventional fields like theory and philosophy of governance etc. The department has four teachers and around four hundred students. Since its inception, the department has been concentrating on maintaining global standards in its teaching as well as co-curriculum activities. So far, it has organized around two national symposiums which were very well received in academia and in media. Its teachers and students are deeply interested in understating the administrative and social problems around them. The department is committedto give new directions to the teaching methods and research areasin the discipline.

The Department offers unique opportunities in the discipline as it is the only department of Public Administration, which offers undergraduate courses in the Ambedkar School of Social Sciences. Presently, the department is offering B.A. (Hons.) Public Administration, M.A. Public Administration and Ph.D. program.

The Department has been highly active in organizing academic activities and cocurriculum activities.

1. Objectives of the Department

- To promote quality teaching with regular up-gradation of course structure, syllabus and course materials for the students.
- To promote comprehensive understanding of the subject by teaching both conventional and new areas of relevance in the domain of administrative theory and practices, Indian administration, civil services reforms, public policy and global governance.
- To promot ecomprehensive and interdisciplinary knowledge in both teaching and research by emphasizing inter-linking between various administrative-governance issues and challenges.
- To make teaching in public administration theoretically rich and empirically grounded.
- To motivate and inform students about the opportunities and future prospects in the field.
- To develop the overall personality of students and prepare them to compete and success in their endeavors.
- To provide a progressive, healthy and vibrant environment to its students as well as teachers for the purpose of developing a department known for its academic and intellectual pursuit.
- To inculcate the values of tolerance, progressiveness and fraternity that contributes towards the making of a healthy and prosperous society.

2. Course offered

i. B.A. (Hons.) Public Administration

ii. M.A. in Public Administration

iii. Ph. D in Public Administration

Proposed Courses

iv. M. Phil. Public Administration

v. Certificate course in NGO Management

vi. Certificate course in Urban Governance

vii. Certificate course in Hospital Management

3. Department Level Academic Activities

Symposium organized by the Department: Special Lecture by Shri Kumar Prashant, President, Gandhi Peach Foundation, New Delhi on dated 11th October 2019 on the topic “Gandhi and Governance: Relevance in 21st century”

4. Faculty details

i. Prof. Ripu Sudan Singh

Professor and Head

Qualification: M.A, M.Phil, PhD

Specialization: International Relations, Ethnicity and Politics of West Asia and North Africa, Peace

and Conflict Studies, Subaltern Politics in Contemporary India, UP Politics

ii. Dr. Vibhooti Narayan

Assistant Professor

Qualification: M.A, Ph.D.,

Specialization: Indian Polity & Governance, Financial Administration, Public Policy, Indian Administration etc.

5. Details of the projects

Prof. Ripu Sudan Singh

Major research project on the topic ***Political Participation and Social Inclusion: A Case Study of Boatsmen Community of Buddelkhand Region in Uttar Pradesh*** sent to ICSSR, New Delhi.

6. Accomplishments of Student

i. One student of the department has been awarded **Gender Champs** of Babasaheb Bhimrao Ambedkar University, Lucknow.

ii. One student of the department had participated in NCC regional tournament, Agra for basketball.

iii. One student of the department had participated in Inter –university badminton tournament, organized by BBD University, Lucknow.

7. Future Plans of the Department

i. Introducing more courses in both M.A and Ph.D. Prorgrammes that are socially relevant. Some of these courses to be introduced in future are: M. Phil. Public Administration, Certificate course in NGO Management, Certificate course in Urban Governance, Certificate course in Hospital Management.

ii. International collaboration with prestigious institutions

iii. Inviting faculty from India and abroad as visiting professors

iv. Faculty exchange programme

v. To start a research journal in the department

vi. To start a departmental library

CENTRE FOR THE STUDY EXCLUSION AND INCLUSIVE POLICY (CSSEIP)

As per UGC guidelines, the Centre for the Study of Social Exclusion & Inclusive Policy which is recently proposed as Department of Social Exclusion and Inclusive Studies has been established in Babasaheb Bhimrao Ambedkar University in February 2008. It is engaged in exploring the conceptual/ theoretical contours of social exclusion, historical and contemporary facets of social exclusion/discrimination, nature of exclusion of deprived sections of the Indian society and their contributions to society, the theme of inclusive policies etc, through its interdisciplinary efforts. The founding of the Centre was a reflection of the felt need for intervention in the education system in general and higher education in particular. The Centre has four pronged activities: teaching research, action and extension activities. It is trying to highlight the importance of inclusive and emancipatory development perspective in the pursuit of knowledge as well as in defining policy and planning. The Centre is located on the third floor of the School for Ambedkar Studies of Social Sciences (SASSS). It has adequate space, standard furniture and equipment with other basic facilities.

Some key objectives as per UGC Guidelines

- Conceptualizing discrimination, exclusion and inclusion based on caste /ethnicity and religion;
- Developing understanding of the nature and dynamics of discrimination and exclusion;
- Contextualizing and problematizing discrimination exclusion and inclusion;
- Developing an understanding of discrimination at an empirical level;
- Formulating policies for protecting the rights of these groups and eradicating the problem of exclusion and discrimination.

Functions as per UGC Guidelines

- Teaching course at the M.A. and M. Phil levels, leading eventuality to full-fledged M.Phil and even M.A. programmes in Social Exclusion Studies
- Undertaking M.Phil and Ph.D supervision.
- Collecting information on Social Exclusion and building up a database.
- Carrying out detailed analyses based on the socio-economic data generated by government agencies.
- Organizing regular conferences, seminars and symposia on the theme of Social Exclusion.
- Publishing regularly the research findings of the Faculty and students.
- Organizing public lectures on the subject by eminent scholars.
- Reaching out to scholars, especially young scholars, in other universities and colleges through an active programme of inviting Visiting Faculty.
- Establishing links with Civil Society Organizations engaged in combating Social Exclusion.

1. Courses Offered

CBCS

i. Social Exclusion and Inclusive Development: CSS101 (CBCS Open Elective Paper)

ii. Public Policy, Governance and Development (CSS 102)

2. Facilities

Specialized Library : Documentation

I. Dossiers on the following themes (Ongoing)

i. Social Exclusion: Concepts and Perspectives

ii. Gender and Social Structure/ Politics

iii. Gender and State Policy

iv. Dalit Women

v. Social Philosopher/ Philosophy

vi. Gender Movement

vii. Gender and Violence

viii. Gender and Justice

ix. Women and Development

x. Caste and Politics

xi. Gender and Literature

xii. Exclusion and Inclusion: Empirical Aspects

xiii. Minorities

xiv. Social Justice

II. Newspaper Clippings on related themes

3. Faculties

i. Dr. Prasamita Mohanty, Associate Professor-cum -Deputy Director

ii. Dr. Rudra Prasad Sahoo, Assistant Professor-cum -Assistant Director

iii. Dr. Bibekananda Nayak, Assistant Professor-cum -Assistant Director.

iv. Dr. Sangeeta Krishna, Assistant Professor-cum-Assistant Director

v. Dr. Md. Reyaz, Ahmad, Research Associate

4. Co- curricular Activities/cultural

Dr. Sangeeta Krishna,

Assistant Professor- cum- Assistant Director

i. Judge, Debate, Department Annual Fest ***Abhivyakti*** **2019** organized by Department of Law, BBA University, Lucknow.

ii. Coordinator, for data collection of CSSEIP for IQAC.

5. Membership

Dr. Sangeeta Krishna,

Assistant Professor- cum- Assistant Director

i. Life Member, Association of Socio-Economic Development Studies, (ASEDS) LM 01

ii. Life Member, Indian History Congress, IHC(LM 2203)

iii. Life Fellow, Indian Academy of Social Sciences (IASS) LF 2187/463/2014

iv. Life Member, North East India History Association (NEHA)

v. Life Member, Centre for Scientific & Innovative Research Studies(CSIR

6. Details of Edited Books

Dr. Rudra Prasad Sahoo

Assistant Professor-cum-Assistant Director

i. **Prof. Narottam Gaan and Dr. Rudra Prasad Sahoo** edited, ***India's Engagement with Global Powers: Issues and Challenges,*** Writer's Choice, New Delhi, 2020, ISBN: 978-9384081317

ii. **Develop concept note for a book title, *"Social Exclusion, Migrant Workers and Pandemic in India: Realities and Responses"***

7. Details of Chapters in edited Books

Dr. Rudra Prasad Sahoo

Assistant Professor- cum- Assistant Director

i. **'India's Nationalist government under Modi and its Neighborhood foreign policy with special reference to Pakistan: An analysis'** in Prof. Narottam Gaan and **Rudra Prasad Sahoo** edited, ***India's Engagement with Global Powers: Issues and Challenges,*** Writer's Choice, New Delhi, 2020, ISBN: 978-9384081317

Dr. Bibekananda Nayak

Assistant Professor- cum- Assistant Director

i. The paper entitled "*Question of Equity and Women Empowerment in Indian Higher Education* by Doleswar Bhoi & Dr.Bibekananda Nayak wrote in the edited book Dr. V.Sivadasan Dr Abhilash Babu Book entitled 'Higher Education In India :Politics and Policies' has published Current Books, Kottayam, Kerala, 2019,(ISBN978- 93-5390-186-8).pp143-159

Dr. Sangeeta Krishna,

Assistant Professor- cum- Assistant Director

i. **Chapter** on Women Development to Women-Led Development: Analyzing the Contours of New Paradigm in the Contemporary Times edited by MK Agarwal (forthcoming

8. Papers Published Journals

Dr. Rudra Prasad Sahoo

Assistant Professor- cum- Assistant Director

i. Inclusion Issue in NPE2020: Importance and Incongruity

ii. Social Impact of Covid-19 pandemic in India

iii. Relevance of Gandhi an Model of development: A Vision for an Inclusive society

Dr. Bibekananda Nayak

Assistant Professor- cum- Assistant Director

i. The paper entitled "*Social Engagement and Women Empowerment in Odisha: A Study of ASHA*" has published in *Research Journey*, Multidisciplinary international E- Research journal, based on Social and Science, Innovation, UGC Approved journal No.40705 Multidisciplinary international E-research Journal, prasant publications,Jalgaon,April,2019,Special Issue-180,Impact Factor-6.261, ,ISSN-2348- 7143, pp.28-31 By Doleswar Bhoi & Dr. Bibekananda Nayak, www.researchjourney. net

ii. The paper entitled "Health System in Odisha :Issues and challenges" in UGC Listed Journal -63975, Journal of Emerging Technologies and Innovative Research(JETIR), Ahmadabad , Vol. 6, Issue-5, May, 2019, Impact factor:5.87, ISSN- 2349-5162, Page No.614-620

iii. The paper entitled "Understanding Health Care Practice and Ethno-Medicine: An Appraisal of Theoretical Perspective" in UGC Listed Journal -63975, Journal of Emerging Technologies and Innovative Research(JETIR), Ahmadabad, Vol.6, Issue-6, June 2019, Impact factor:5.87, ISSN- 2349-5162, Page No.94-103

iv. The paper entitled "Implementation of NRHM in India : Step forward and Challenges"" in UGC Listed Journal -48887, International Journal of Research in Social Sciences,Vol.9,Issue-5(1),May 2019, Impact factor:7.081,,ISSN-2249-2496, Page No. 261-268 by Dr Bibekananda Nayak & Doleswar Bhoi

v. The paper entitled "Social Engagement and Women Empowerment in Odisha:A Study of ASHA, pp.28-31, Research Journey, special issue-180, April,2019, ISSN-23487143,UGC Approved Journal List NO.40705

vi. The paper entitled "Health System in Odisha :Issues and challenges, PP 614-620, Journal of Emerging

Technologies and Innovative Research(JETIR) Vol.6, Issue-5, May, 2019, ISSN- 2349- 5162, UGC Listed Journal-63975,

vii. The paper entitled "Understanding Health Care Practice and Ethno-Medicine: An Appraisal of Theoretical" ISSN-2349-5162, Journal of Emerging Technologies and Innovative Research (JETIR), Vol.6, Issue-6, June 2019UGC Listed Journal - 63975, Perspective, Page No.94-103

viii. The paper entitled "Implementation of NRHM in India : Step forward and Challenges" International Journal of Research in Social Sciences, Vol.9,Issue-5(1),May 2019, ISSN-2249-2496, UGC Listed Journal-48887

Dr. Sangeeta Krishna,

Assistant Professor- cum- Assistant Director

i. Contours of Intellectual Tradition: Voice of Identity, Consciousness and Assertion, *Journal of Indian Association of Social Sciences Institution (IASSI) Vol 38, No 4* October- December 2019, pp 721-732.ISSN No 0970- 9061. **(UGC–Care List)**

ii. Engaging Ambedkar on Inclusive Discourse: Countering Exclusion towards Social Reconstruction *Journal of Indian Association of Social Sciences Institution (IASSI)* Quarterly, Volume 38, No 1. Jan-March, 2019. pp 139- 153, ISSN No 0970-9061 **(UGC–Care List)**

Dr. Md. Reyaz Ahmad,

Research Associate

Paper published in entitled '**Good Governance in India: Reforms in Local-Self Government'** *Journal of Emerging Technologies and Innovative Research* (JETIR) ISSN-2349-5162, May 2019, Vol. 6, Issue 5, Pp.438-451, UGC Approved Journal No- 63975, Impact factor: 5.87

9. A Paper presentation in Seminar Workshops inside the country

Dr. Rudra Prasad Sahoo

Assistant Professor-cum-Assistant Director

i. The webinar on "Equity and Inclusion in Higher Education (NEP-2020): Perspective from SC/ST" organized by CSSEIP, BBAU, Lucknow d on 2 November 2020

ii. The webinar on "Social Justice: Narayana Guru's Perspective" organized by CSSEIP, BBAU, Lucknow on 10th December 2020.

iii. National Webinar on Consumer Protection and Awareness organized by Indian Institute of Public Administration on 28th October, 2020 from 10.00am-1.00pm.

Dr. Bibekananda Nayak

Assistant Professor- cum- Assistant Director

i. Education in India: Issues and Challenges "Rising Inequality in Education (31st October, 2019)" Organized by Department of Sociology, Babasaheb Bhimrao Ambedkar University, Lucknow & in Collaboration with Oxfam India and Vigyan Foundation

ii. Problem of Addiction among Youth and Role of various Stakeholders in Drug Demand Reduction (27th November, 2019, National Institute of Social Defence, Ministry of Social Justice & Empowerment, Govt. of India & Center for the Social Exclusion & Inclusive Policy, Babasaheb Bhimrao Ambedkar University, Lucknow

Dr. Sangeeta Krishna

Assistant Professor-cum-Assistant Director

i. Gender Equality, Human Rights and Increasing Violence Against Women: Are We Heading Towards A Century Bereft of Human Centric Concern? In the National Symposium on "Human Rights in 21st Century: Sustainable Development Goals" organized by Department of Human Rights, BBA University, Lucknow, December 10, 2019.

ii. LGBT Rights, Judicial Prudence and The Road Ahead- A Conflict Between Constitutional and Social Mandate in the National Seminar on Indian Constitution And Social, Economic, Political Justice: Issues & Challenges organized by School of Legal Studies, BBAU, Lucknow on November 26, 2019.

iii. Recognition of LGBT: A Journey from Social Morality to Constitutional Morality in National Seminar on Constitutionalism and Constitutional

Morality: Contemporary Issues and Challenges organized by Department of Law, Babasaheb Bhimrao Ambedkar University, Lucknow on March 26, 2019

iv. **Breaking Silence with me too Campaign Against Sexual Harassment at Work Place:** A *New* Visibility to Women Voice Through Media in Global World in National Seminar on Law & Justice in Globalized World :Contemporary Issues & Challenges organized by Centre for Post Graduate Legal Studies, Babasaheb Bhimrao Ambedkar University, Lucknow on March 7,2019.

v. **Exclusionary Contours and Inclusive Imperatives for LGBT in India:** A Human Rights Perspective LGBT in National Seminar on Human Rights of LGBTQ: Law & Judicial Approach organized by Department of Human Rights Babasaheb Bhimrao Ambedkar University, Lucknow on March 6, 2019.

10. Organization Training & Sensitization Programme

Dr. Bibekananda Nayak

Assistant Professor-cum-Assistant Director

i. Participated in the "Capacity building programme for faculty of social sciences from 13-01-2020 to 25-01-2020, organized by Kalinga Institute of Social Sciences(KISS), Bhubaneswar, Sponsored by ICSSR, New Delhi

Dr. Sangeeta Krishna

Assistant Professor-cum-Assistant Director

i. As Co-ordinator organized One Day Awareness Generation Programme on Drug Demand Reduction in Universities and Colleges on November 2, 2019 & prepared Report and sent to National Institute of Social Defence, Ministry of Social Justice & Empowerment, Govt. of India, New Delhi

11. Details of Lectures/Talk inside the country

Dr. Bibekananda Nayak

Assistant Professor-cum-Assistant Director

I. Paper teaching

i. 204: Socio-political systems in India

ii. CSS 101: Social Exclusion and Inclusive Development

iii. 102: Public Policy, Governance and Development

iv. 'Abhivyakti-2019" Department of Law, Babasaheb Bhimrao Ambedkar University, Lucknow,2019

Dr. Sangeeta Krishna

Assistant Professor-cum-Assistant Director

i. As Resource Person Delivered Lecture on Mantras of Research Methodology in one week Workshop on Research Methodology, organized by Department of Human Rights, BBAU, Lucknow on April 26, 2019.

ii. Lectures on Unit 1 on Legal History in BALLB, Department of Law, School for Legal Studies during 02 January 2020-2020.

12. Details of Research Projects Minor/Major

Dr. Bibekananda Nayak

Assistant Professor-cum-Assistant Director

Tribal women's livelihood security through the MGNREGA:A case study of kandhamal *district, Orissa*, funded by UGC 2011-13, Rs. 130.000/-

Dr. Sangeeta Krishna

Assistant Professor-cum-Assistant Director

Assisted in preparing a Report on **Inclusive Policies of Babsaheb Bhimrao Ambedkar University (As one of the CSSEIP Team** members)

13. Co-Chaired the technical Session

Dr. Md. Reyaz Ahmad, Research Associate i. Administrative Challenges of Politics & Effectiveness of Policies in the 3rd Annual Conference of Association of the Socio-Economic Development Studies (ASEDS) Organized by Department of Economics Dr Shakuntala Misra National Rehabilitation University, Lucknow date-15-11-2019.

SCHOOL OF HOME SCIENCES

The School of Home Science came into existence in 2007. The School with its interdisciplinary faculty aims to inculcate and strengthen innovation and analytical skills holistically to achieve sustainable development. Home Scie nce is a unique filed of knowledge, with multidisciplinary approach synthesized from various domains of Sciences, Social Sciences Engineering and Humanities. The enriched curriculum of Home Science do not center only on an individual or a family but caters to the contemporary trends of education in order to meet the rapidly changing demands of society. The School is working as important centre of learning and disseminating knowledge in varied domains, preparing the students to take up professions such as researchers, counselors, nutritionists, interior designers, fashion designers, social workers, administrators, CAD professionals, teachers, extension personnel etc.

1. **Departments**
   - i. Department of Human Development and Family Studies.
   - ii. Departments of Food & Nutrition
2. **Number of faculty in Department – 05**
3. **Citation Index of the school: 2073**

DEPARTMENT OF HUMAN DEVELOPMENT AND FAMILY STUDIES

The Department of Human Development and Family Studies came into existence under School of Home Science in the year 2007. The Department is functioning with an aim to prepare enthusiastic professionals and leaders by grooming the students holistically through exposure to wide spectrum of knowledge. The Department offers a two year instructional post graduate programme leading to a Master of Science (M.Sc.) in Human Development and Family Studies and M.Sc. in Food Science & Technology and Ph.D. Programme. Empowering students to successfully pursue career in their field and or proceed to advance research studies or take up entrepreneurial ventures is the prime aim of these programmes. The curriculum of the programmes is periodically revised to keep pace with the contemporary changes and development programmes of the Nation. The faculty of the Department comprises of one Professor, one Associate Professor and three Assistant Professors from diverse fields of specialization, who are instrumental in imparting high standard of education to the students.

The Department organises regular seminars on every Friday, where students are given opportunity to speak on topic of their choice in order to harness their oratory skills on different traditional and contemporary aspects of the field of Home Science. The Department aims to create an academically vibrant and student friendly atmosphere. Workshops, Seminars, Field visits, Laboratory experiments, Internship and Research are integral part of its curriculum. Students are also encouraged to participate in various extracurricular and sports events to ensure their overall development. The Department trains and strengthens the students to enhance their self sufficiency and over all development for their future success. The Departmental Alumni also are actively engaged in departmental activities and are also invited to deliver guest lectures and impart practical orientation of the students.

DEPARTMENT OF FOOD & NUTRITION

The Department of Food and Nutrition started in the year 2020, under the School of Home Sciences.The present intake capacity is 50 students of PG course. Department offers a two year instructional post graduate programme leading to a Master of Science M.Sc. in (Food and Nutrition).

1. Courses offered

i. M.Sc. Human Development & Family Studies

ii. M.Sc. Food Science & Technology

iii. M.Sc. Food and Nutrition

iv. Ph.D. Home Science

2. Facilities available in the Department:

M.Sc. Laboratory & Research Laboratory

i. Psychometric Lab

ii. Model development lab

iii. Food analysis Lab

iv. Microbiology Lab

v. Bakery and Confectionary Lab

vi. Smart classroom

vii. Computer Lab

viii. Departmental Library

ix. Seminar hall-for enhancing the technical and oratory skills of the students

3. Details of the Faculty:

i. Prof. Sunita Mishra

Professor & Dean, School of Home Sciences

Specialization: Foods & Nutrition

Qualification: M.Sc., Ph.D., D.Litt. Diploma in French

ii. Dr. U.V. Kiran

Associate Professor & Head, HDFS

Specialization: Resource Management & Consumer Sciences

Qualification: M.Sc., Ph.D.

iii. Dr. Neetu Singh

Assistant Professor

Specialization: Foods & Nutrition

Qualification: M.Sc., Ph.D.

iv. Dr. Shalini Agarwal

Assistant Professor

Specialization: Family Resource Management

Qualification: M.Sc., Ph.D.

v. Dr Khwairakpam

Assistant Professor

Specialization: HD&FS

Qualification: M.Sc., Ph.D.

4. Details of the Seminar/Conference/ organized by the Department:

Organized One Day National Symposium on Empowering Girls for Better Tomorrow on Commemoration of National Girl Child Day on 24th January, 2020.

5. Other Departmental level Academic Activities:

i. Departmental faculty Visited Community Health Centre and Kangaroo Mother Care Unit, Shivgarh, Rae Bareli, Uttar Pradesh on 27th February2020, to sensitize women on Anaemia

ii. Faculty visited Rajanikhand slum community to create awareness on different aspects of health and hygiene on the occasion of celebrating commemoration of national girl child day, January 24, 2020.

iii. Faculty visited Cheshire Old Age Home, A-Block, South City, Lucknow to celebrate International Day of Older Persons on 1st October 2019.

iv. Faculty visited Primary School in Aurangabad Khalsa, Lucknow to create awareness on differentaspects of health and hygiene on 9th May 2019.

6. Co-curricular/Extra-curricular/Sports Activities by the Department

i. Department organized Elocution competition on 24th January, 2020 to commemorate National Girl Child

ii. Department organized Poster and Rangoli competition to mark the celebration of National Girl Child

iii. Department also organized an awareness camp in the slum on Girl Education

iv. Department organized Poster competition under MHRD, "Swachhata Pakhwada" organized on the theme of "single use plastics and their alternatives. Sept.11, 2019.

v. As a part of "Swachhata Pakhwada" organized project making on the theme of "best out of waste''. Janaury 24, 2020.

vi. On the occasion of World Food Day celebration organized "Nutria Foodica" 2K19, Exhibition on oct.16, 2019.

vii. On the occasion of Holi Festival, Department organized consultancy of vegie flow holi colours by used of natural veg. and flower to promote healthy and eco-friendly holi colours, March 5th, 2020.

viii. Department of HDFS organized First Departmental Alumni Meet. November 29, 2019.

7. Extension Activities

Prof. Sunita Mishra

i. Completed 1 week online course on "Community university engagement: moving towards engaged teaching, research and service from PRIA international academy in May, 2020.

ii. Successfully completed the online quizon "National Awareness on Corona Pandemic" on 25th May 2020 organized by College of Pharmaceutical sciences DayanandaSagar University Bengaluru.

iii. Visited Community Health Centre and Kangaroo Mother Care Unit, Shivgarh, Raibariely, Uttar Pradesh on 27th February, 2020 to sensitize women on Anemia.

Dr. U. V. Kiran

i. Participated in one week online course on "Community University engagement: moving towards engaged teaching, research and service organized by PRIA International academy in May, 2020.

ii. Visited Community Health Centre and Kangaroo Mother Care Unit, Shivgarh, Raibariely, Uttar Pradesh on 27th February, 2020 to sensitize women on Anemia.

iii. Visited Cheshire Old Age Home, A-Block, South City, Lucknow to celebrate International Day of Older Persons on 1st October 2019

iv. Visited Primary School in Aurangabad Khalsa, Lucknow to create awareness on different aspects of health and hygiene on 9th May 2019

v. Visited Rajanikhand slum community to create awareness on different aspects of health and hygiene on the occasion of celebration of commemoration of national girl child day, January 24,2020

Dr. Neetu Singh

i. Visited community health centre and Kangaroo Mother Care Unit, Shivgarh, raebareli, U.P. to aware and sensitize women on anemia. Feb 27, 2020.

ii. Visited Rajanikhand slum community to create awareness on different aspects of health and hygiene on the occasion of celebrating commemoration of national girl child day, January 24, 2020.

Dr. Shalini Agarwal

i. Visited Community Health Centre and Kangaroo Mother Care Unit, Shivgarh, Raibariely, Uttar Pradesh on 27th February, 2020 to sensitize women on Anemia.

ii. Visited Cheshire Old Age Home, A-Block, South City, Lucknow to celebrate International Day of Older Persons on 1st October 2019.

iii. Visited Primary School in Aurangabad Khalsa, Lucknow to create awareness on different aspects of health and hygiene on 9th May 2019

Dr. Khwairakpam Sharmila

i. Visited Community Health Centre and Kangaroo Mother Care Unit, Shivgarh, Rae Bareli, Uttar Pradesh on 27th February, 2020 to sensitize women on Anaemia.

ii. Visited Cheshire Old Age Home, A-Block, South City, Lucknow to celebrate International Day of Older Persons on 1st October 2019

iii. Visited Primary School in Aurangabad Khalsa, Lucknow to create awareness on different aspects of health and hygiene on 9th May 2019.

8. Visitors of Department from inside the country

i. Prof. Arti Sinha, Prof-cum-Chief Scientist Director, Planning, Bihar Agricultural University Pusa, Samastipur-848 125 (Bihar).

ii. Prof. Anita Kochar Head, Department of Food Science and Nutrition Collage of Home Science, Punjab Agriculture University, State-Ludhiana–141004 (Punjab)

iii. Prof. Archana Chakravarthy, Professor, Dept of Home Science, BHU, Varanasi

iv. Prof. Kalpana Gupta, Head, Deptt. of HDFS, Mahila Maha Vidyalaya, BHU, Varanasi

9. Members/fellowship of professional/ Academic bodies/editorial board

Prof. Sunita Mishra

i. European Association of Agricultural Economics (EAAE) - Life Member

ii. The Hague Netherland - Life Member

iii. Global Communication Research Association, Sydney Australia - Life Member

iv. Physician Association for responsible medicine, Washington DC, U.S.A. - Member

v. Virginia College of Osteopathic medicines Blacks Burg, Virginia, U.S.A. - Member

vi. Home Science Association of India & Vice President (North) - Life Member

vii. Nutrition Society of India - Life Member

viii. Indian Dietetics Association - Life Member

ix. Indian Journal of Preventive and Social Medicine-Life Member

x. Indian Journal of Community Psychology - Life Member

xi. Social Science Congress - Life Member

xii. Science Congress - Life Member

xiii. CEPRE, a project under IMS BHU – Member

xiv. Punjab Agriculture University, Punjab-Doctoral committee Member

xv. Utkal University, Bhubaneswar-Doctoral committee Member

xvi. University Of Hissar - Doctoral committee Member

xvii. Berhampur University, Berhampur-Doctoral committee Member

xviii. Banaras Hindu University, Varanasi-Doctoral committee Member

xix. Allahabad University, Allahabad-Doctoral committee Member

xx. VBS Purvanchal University, Jaunpur-Doctoral committee Member

Dr. U.V. Kiran

i. Editorial Board Asian Journal of Home Science-Member

ii. Editorial Board Food Science Research Journal-Member

iii. Editorial Board International Journal of Science & Technology-Member

iv. Indian Gerontological Association-Life Member

v. International Science Congress Association-Life Member

vi. Indian Ergonomics Association-Life Member

vii. Home Science Association of India-Life Member

viii. Indian Science Congress Association-Life Member

ix. Asean Regional Association for Home Economics-Life Member

x. Asian Journal of Home Science-Life Member

xi. Zoological Society of India-Life Member

xii. GESA-Life Member

xiii. BSI-Life Member

Dr. Neetu Singh

Life membership of **Global Environment & Social** Association (GESA)

Dr. Shalini Agarwal

i. Life membership of Home Science Association of India

ii. Life member of Social Science and Humanities Research Association

iii. Life member of Healthcare & Biological Sciences Research Association

iv. Life member of Scientific & Technical Research Association

v. Life member of Teaching & Education Research Association

Dr. Khwairakpam Sharmila

i. Life membership of Home Science Association of India

ii. Life member of Social Science and Humanities Research Association

iii. Life member of Healthcare & Biological Sciences Research Association

iv. Life member of Scientific & Technical Research Association

v. Life member of Teaching & Education Research Association

10. Details of Books written/edited by faculty members:-

Prof. Sunita Mishra

Book Authored : 22

i. To **assess visually Handicapped children gender** across of Lucknow City, Lambert Publication.

ii. A study on **knowledge about government schemes** for the elderly people, Lambert Publication.

iii. **Elderly well being**: in institutionalized and non institutionalized, Lambert Publication.

Dr. K. Sharmila

Book titled "Early Childhood Care and Education (A Practical Manual). 2019 written by Dr. Khwairakpam Sharmila. Published by Reliance Books Publication, 6/1 South Patel Nagar, New Delhi110008. ISBN978-81-905218- 3-3.

11. Details of Book Chapter in edited volume

Prof. Sunita Mishra

Chapter in Books : 04

12. Papers published during the year by the faculty members

Prof. Sunita Mishra

i. Jyoti Singh and **Sunita Mishra** (2020): Nutritional Enrichment and Health Benefits of Broccoli Flour in Making Dhokla. **Food and Nutrition journal.** Vol. 5, Issue 1. ISSN: 2475-7091. **Web of Science Publon, USAChicago**

ii. Monika Patel and **Sunita Mishra** (2020): Use of nanotechnology and nanopackaging for improving the shelf life of the food and its safety issues. **Journal of Food, Agriculture & Environment, WFL Publisher science and technology, Finland.** Vol.18(2): 25-31

iii. Darshan Sharma and **Sunita Mishra** (2020): An acute toxicity in human health of raw and cooked vegetable in tomato and spinach. **HSOA Journal of Food Science and Nutrition, J Food Sci Nutr 2020, 6: 075 Web of Science, Publon**

iv. Monika Patel and **Sunita Mishra** (2020): Role of nutrition on immune system during Covid-19 pandemic. **Journal of food nutrition and health, Web of Science, Publon**.

v. Mansi Mandal and **Sunita Mishra** (2020): Organoleptic evaluation of ready-to-eat upma product by using superseeds. **Journal of Food, Agriculture & Environment, WFL Publisher science and technology, Finland.** Vol.18 (1)14-17, 2020.

vi. Varnika Mishra and **Sunita Mishra** (2020): Formulation of Jowar Laddu Incorporated with Banana Peel Powder and Aswagandha Powder. **International Journal of Scientific Research in Science and Technology**. Vol. 7, Issue 4, pp: 82-87; ISSN: 2395-6011.

vii. Shyamli Shukla and **Sunita Mishra** (2020): An analysis of microbial spoilage if household food items and suggestion to retard spoilage. **International Journal of Advances in Engineering and Management (IJAEM)**. Vol. 2, Issue 1, pp: 466-475; ISSN: 2395-5252

viii. Ruchi Verma and **Sunita Mishra** (2020): A study on food safety aspects of street foods for school children's and personal hygiene of street food handlers. **Journal of Information and Computational Science.** Vol. 10, Issue 7, pp: 644-655; ISSN: 1548-7741

ix. Aditi Singh and **Sunita Mishra** (2020): Guidelines of sport nutrition especially for female athletes. **International Journal of Advances in Engineering and Management (IJAEM)**. Vol. 2, Issue 1, pp: 519-522; ISSN: 2395-5252

x. Garima Yadav and **Sunita Mishra** (2020): Value added bread of pumpkin seed flour functional constituents and medicinal properties of pumpkin seed, **IJRAR** Vol-7, Issue 1

xi. **Sunita Mishra** (2020): To study the diff. symptomatic factor associated with haemolysis, **Journal of Food, Agriculture & Environment, WFL Publisher science and technology, Finland.** Vol.18 (3&4)

xii. Dhirendra Kumar Dinkar and **Sunita Mishra** (2020): Preparation of Biscuits by using Lotus Seed, Pearl Millets and Multigrain Wheat for Elderly People. **International Journal of Research in Engineering, Science and Management.** Vol.: 3, Issue: 7. ISSN: 2581- 5790

xiii. Deepti Singh and **Sunita Mishra** (2020): Role of e-Learning education and e-Resources; Its Impact on Academic Performance of the Students. **AEGAEUM Journal.** Vol.: 8, Issue: 7. ISSN: 0776-3808.

xiv. Jyoti Singh and **Sunita Mishra** (2020): Organoleptic evaluation of product (ready to mix fortified dhokla) with incorporation of broccoli flour. Development Programmes, **Annals. Food Science and Technology.**

xv. Pragya Dubey and **Sunita Mishra** (2020): Dietary implication of miracle cereal finger millet (Eleusine Coracana) and it's product development. **AEGAEUM Journal.** Vol.: 8, Issue: 7. ISSN: 0776-3808.

xvi. Deepshika and **Sunita Mishra** (2020): Impact of fatty acids and Dyslexia and dyspraxia. **Environment and Society**, pp 153-156.

xvii. Nidhi Yadav and **Sunita Mishra** (2020): Use of Tomatoes (Lycopene) in combating hypertention in pregnancy. **AEGAEUM Journal.** Vol.: 8, Issue: 7. ISSN: 0776-3808.

xviii. Mansi Mandal and **Sunita Mishra** (2020): Nutritional value of product and its enrichment using superseeds (pumpkin seeds, chia seeds, sunflower seeds and almond) in application of ready to eat upma. **Annals. Food Science and Technology.** Vol. 21, Issue 1, 2020.

xix. Pooja Mishra and **Sunita Mishra** (2020): Fortification of cookies with miracle powder: Ashwagandha and Moringa powder. **Transstellar Journal Publication & Research Consultancy (TJPRC).** Vol. 10, Issue 2. Paper Id.: IJFSTDEC20202

xx. Divyanshi Verma, Poorva Dubey and **Sunita Mishra** (2020): Assessment of Physio-chemical & functional properties of Jack Fruit (Artocarpus heterophyllus) seed powder. **Transtellar Journal.**

xxi. Pooja Mishra and **Sunita Mishra** (2020): Aswagandha and moringa used as immunity booster during Covid-19 pandemic. **Journal of Ayurveda.**

xxii. Deepti Singh and **Sunita Mishra** (2020): Student awareness and engagement towards e-learning using e-learning resources and its impact on academic performance. **Bulletin monumental journal, web of science, clarivate analysis**

xxiii. Divyanshi Verma and **Sunita Mishra** (2020): Jack fruit seed flour as alternative diet during fasting (in combination with buckwheat and water chestnut flour). **Annal of Food Science and Technology.**

xxiv. M.A. Firdaus and **Sunita Mishra** (2020): Teenage pregnancy: some associated risk factors- a review. **International Journal of Current Advanced Research.** Vol. 9, Issue 08(A), pp: 22906-22913. ISSN: O: 2319-6475, ISSN: P: 2319-6505. Impact Factor: 6.614

xxv. Sweta Chaudhary and **Sunita Mishra** (2019): Phytotoxicity assessment of four different season's kitchen waste compost at different level of concentration on mungbeans (*Vignaradiata* (L.)). **Plant Archives**. ISSN-0972-5210; Vol. 19 No. 1, 2019 pp. 643-651.

xxvi. Neeraj Kumar Tyagi and **Sunita Mishra** (2019): Development of premixes for preparation of nutrigenomic food ....related disease. The **Pharma Innovation Journal**; 8(6): 386-390

xxvii. Arpana Tiwari and **Sunita Mishra** (2019): Sensory evaluation of wheat bran biscuits mixed with flaxseed. **Asian Journal of Advanced Research and Reports**. Vol. 6, Issue 3.

xxviii. Sweta Verma and **Sunita Mishra** (2019): Preparation and Nutritional Composition of Noodles and Papads using Ragi Flour Indian. **International Journal of Science and Research (IJSR)**. ISSN-2319-7064, Volume 8 Issue 2, February 2019

xxix. Ruchi Yadav and **Sunita Mishra** (2019): Development of Premix as Nutrigenomics Health Food for Metabolic Diseases. **IJAR**, ISSN: 2319-7064.

xxx. Neeraj Verma and **Sunita Mishra** (2019): Preparation, Processing and Nutritional Attribute of Spiruling by-Product. **International Journal of Food Science and Nutrition** ISSN: 2455-4898

xxxi. Arpana Tiwari and **Sunita Mishra** (2019): Nutritive Evaluation of wheat bran biscuits incorporated with flaxseed. **International Journal of Science and Research (IJSR).** ISSN: 2319-7064

xxxii. Sweta Chaudhary and **Sunita Mishra** (2019): Effect on physico-chemical: and microbial properties of kitchen waste compost (KWC)-using potential fungal inoculants. Indian **Journal of Agricultural research**. (www.arccjournal.com, A-5202)

xxxiii. Neeraj Verma and **Sunita Mishra** (2019): Antioxidant Properties and Utilization of Spirulina by Different Processing Methods. **Journal of Pharmacognosy and Phytochemistry**. Vol.: 8(3), pp: 2390-2394

xxxiv. Ankita and **Sunita Mishra** (2019): Enhancement nutritional properties of value added anaemic soup powder & its sensory evaluation. **International Journal of Food Science and Nutrition** ISSN: 2455- 4898

xxxv. Annu Singh and **Sunita Mishra** (2019): Extracurricular activities and student's performance in secondary school. **IJTRA.** Vol. 2(6), pp: 8-11.

Dr. U.V. Kiran

i. Sangya, R., Kiran, U.V.,(2019), Mental fatigue and coping strategies among teachers and parents of differently abled children, International Journal of Home Science, 5(3): 291-297

ii. Kumari, S., Kiran, U.V.,(2019), Bio medical waste: Health Hazards Among Rag Pickers, International Journal of Scientific Research and Review,8(5): 1523-1531.

iii. Shazia, Kiran, U.V., (2019), A Study of Psychological Well-Being Among Street Children, IJRAR, 6(2); 539-549.

iv. Varna, U., Kiran, U.V., (2019), Status of Transgender In Inclusive India, IJRAR 6(2),767-771.

v. Sangya, R.,Kiran, U.V.,(2020), Differences in mental fatigue and their associated factors between teachers and parents of differently abled, International Journal of Home Science, 6 (1); 4-11.

Dr. Neetu Singh

i. Tripathi Priyanka, Singh Neetu (2019). A need for maternal health literacy to promote maternal and neonatal health: A Review .international Journal of health science and research, 9(8), 467-72.

ii. Khushboo & Singh Neetu (2019) organoleptic evaluation of product by using dried boneless chicken powder noodle masala, international journal of science and research,8(10)

iii. Srivastava Prerna &Singh Neetu (2019) Utilization of natural antioxidant food processing waste material for oxalate stabilization of ghee. International journal of food science and nutrition, 4(5), 85-88.

iv. Kumar Amrish,&Singh Neetu (2019) antioxidant potential of Moringa oleifera leaf and utilization by different processing method, international journal of food science and nutrition,4(5)125-128.

v. Chaudhary Sonika & Singh Neetu (2019) organoleptic evaluation of product by using natural color in food product(cookies), international journal of science and research 8(10)93-97.

vi. Kumar Amrish & Singh Neetu (2019) health benefits of moringa oleifera leaves and its sensory evaluations, international journal of science and research, 8(9) 838-83.

vii. Anukriti and Singh Neetu (2019). An infection causing route factor for non-sexual transmission of sexually transmitted disease. International journal of applied social science 6(4), 886-890.

viii. Madhu and Singh Neetu (2019). Accelerate role of prebiotic for probiotic in intestinal tract. International journal of applied social science 6(4), 886-890.

ix. Srivastava prerna & Singh Neetu (2019) extracted food processing waste utilize as natural antioxidant for oxidative stability of ghee. Asian journal of science and technology, 10(9)10242- 10246

x. Chaudhary Sonika & Singh Neetu (2019) beetroot (betavulgaris), natural coloring pigment, nutritional benefits and their use in food industry, Asian journal of science and technology.10 (10), 10308- 10310.

xi. Tripathi Priyanka, Singh Neetu and Dayal Bhawana (2019). A study on menstrual symptoms and related personal hygiene practices among women. Journal of emerging technologies and innovative research, 6(5), 669-673.

Dr. Shalini Agarwal

i. Amra R and Agarwal S. (2019). Contributing factors leading bullying among children. International Journal of Recent Scientific Research. August 2019, Volume 10, Issue 8(x).

ii. Tiwari S. and Agarwal S. (2019 Amra R and Agarwal S. (2019). Developing resiliency among bullied children through intervention. International Journal of Family and Home Science. September-December 2019, Volume 15, Issue 3. 405-416.

iii. Tiwari S. and Agarwal S. (2019). Coping strategies followed by women personnel to overcome their workplace stress. International Journal of Research and Analytical Reviews (IJRAR) June 2019, Volume 6, Issue 2. 463-468.

iv. Tiwari S. and Agarwal S. (2019).Workplace stress faced by women police personnel working in police department. International Journal of Home Science. 5(2): 36-38.

v. Tripathi S and Agarwal S. (2019). Mental wellbeing of street children residing in Lucknow city. Research Journal of Recent Sciences Vol. 8(2), April: 38-43.

vi. Tripathi S and Agarwal S. (2019) Mental wellbeing of rag pickers residing in Lucknow city. Indian Journal of Social Research. 60(4). July:539-553.

Dr. Khwairakpam Sharmila

Rashtogi P and **Khwairakpam Sharmila** (2019) Appraisal of academic resilience of adolescentsin Lucknow city. International journal of Research and Analytical reviews. 6(2): 37-42E-ISSN 2348-1269, P-ISSN 2349- 5138.

13. Attended/participated in Conferences/ seminar/workshop inside country

Prof. Sunita Mishra

i. Participated and delivered a lecturein two days international webinaron" Nutrition during thetime of pandemic" jointly organizedby Department of zoology, sociologyand mathematics of K.P.M Government Girls Degree College Aurai, Bhadohi UP.

ii. Participated in a Webinar on "COVID-19 The Mahanana's Indian Vision in global context" organized by Mahamana Malaviya Mission,BHU unit held from on May 9th to 11th, 2020.

iii. Successfully completed the online quiz on Nutritionand lifestyle diet management and wellness on 28th may 2020 organized by School Home Sciences, BBAU, Lucknow.

iv. Participated in national webinar on "Overcoming the stress Disease Connection- A Practical Approach" on 12th may 2020 organized by Mahila Vidyalaya Degree College Lucknow incollaboration with Counselling & placement cell, University of Lucknow.

v. Participated in a Webinar on "Disseminating knowledge and Information: Ethical, Legal and socialIssues" organized by the department of computer science, BBAU Lucknow in collaboration

with School of Computing Science and Engineering Galgotias University on May 15, 2020.

vi. Presented a paper on title : "A study on awareness for late adulton healthy lifestyle towards nutrigenomic knowledge" in Two days National webinar on Corona Calamity: Is social and economic consequences on India held on 20-21 April 2020 organized by DAV P.G. College, Varanasi.

vii. National Training on "Recent Advances in Functional and Neutraceuticals for Future Foods" July, 2019, Center for Advanced Agricultural Science & Technology on Nutritonal Crops, Chandra Shekhar Azad Univ. of Agri. & Tech. Kanpur.

Dr. U. V. Kiran

i. Convener, One Day National Symposium on Empowering Girls for Better Tomorrow on.

ii. Commemoration of National Girl Child Day on 24th January, 2020 by the Department of Human Development & Family Studies, School of Home Science, BBAU, LKO

iii. Convenor, competitions on Elocution, Rangoli and Poster competitions to commemorate National Girl Child Day in Jan-2020 by the Department of Human Development & Family Studies, School of Home Science, BBAU, LKO

iv. Member, Organising Committee – "Workshop on Reducing our Water Foot Prints" held on 13th September, 2019 as a part of Swachhata Pakhwada, BBAU, LKO

v. Chairperson, First Departmental ALUMNI meet in November, 2019 by the Department of Human Development & Family Studies, SHSc., BBAU, LKO.

vi. Convenor, Village visit-Women Awareness Programme by Committee of Basic Facilities for Women, BBAU, Lucknow, 12th March, 2019.

vii. Convenor, National Seminar on "*Samaj mey mahilaawonki sthiti yevam parivarthan keliyey navachar"* organized by Committee of Basic Facilities for Women, BBAU, LKO on 8th March, 2019.

Dr. Neetu Singh

i. Neetu Singh, Participated in 1st annual session of GESA/ 1st international conference on environment and society (ICES 2019), December 22 & 23, 2019.

ii. Neetu Singh, participated national symposium on empowering girls for better tomorrow organized by BBAU, school of home science, January 24, 2020.

Dr. Shalini Agarwal

i. **Presented a paper** entitled "Positive Socialisation and its impact on health" in the two days National Seminar on Modern Perspectives of Positive Psychology and Health Management in India, organized by Department of Psychology Feroze Gandhi College, Rae Bareli, UP, India on **7th and 8th February, 2020**.

ii. **Presented a paper** entitled "Scientific Approach and Innovations for Entrepreneurial Development" on 24th Anniversary of BBAU on **10th-11th January 2020** at BBAU.

iii. **Presented a paper entitled** "Recycling: An eco friendly option of waste management" in 1st International Conference on Environment and Society on the theme Socio-Economic Challenges of Agriculture, Biodiversity and Environment held on **22nd-23rd December 2019,** organized by GESA, HBTU, Kanpur and ABRF, India at HBTU, Kanpur.

iv. **Presented a paper** entitled "SHG's and Women Empowerment" in the International Conference on Sustainable Agricultural Development in Changing Global Scenario" held on **11th-13th October 2019** at Banaras Hindu University, Uttar Pradesh, India.

v. **Participated** Two Days Yoga Workshop on Self-Management of Excessive Tension Stress (SMET-2019) on **17th-18th August, 2019**, organized by Babasaheb Bhimrao Ambedkar University, Lucknow, in collaboration with Swami Vivekananda Yoga Anusandhana Samsthana–S–VYASA, Bengaluru.

Dr. Khwairakpam Sharmila

Presented a paper entitled "Positive Socialisation and its impact on health" in the two days National Seminar on Modern Perspectives of Positive Psychology and

Health Management in India, organized by Department of Psychology Feroze Gandhi College, Rae Bareli, UP, India on **7th and 8th February, 2020**.

Presented a paper entitled "The role of Information and Communication Technology in starting an enterprise" in the International Conference on Sustainable Agricultural Development in Changing Global Scenario" held on **11th-13th October 2019** at Banaras Hindu University, Uttar Pradesh, India.

Participated Two Days Yoga Workshop on Self-Management of Excessive Tension Stress (SMET -2019) on **17th & 18th August, 2019**, organized by Babasaheb Bhimrao Ambedkar University, Lucknow, in collaboration with Swami Vivekananda Yoga ANusandhana Samsthana – S – VYASA, Bengaluru.

14. Attended/participated in Conferences/ seminar/workshop Outside country

Prof. Sunita Mishra attended & Participated in Conference 2nd Global Meet on Science and Technology for ensuring quality (International Seminar) life held at Bali.

15. Policy report

i. LOCF UGC report on Home Science (Complete Graduation Course) submitted in 2019

ii. ECCE Manual (ISBN/NCERT) 97893-5292- 084-6 Topic: Resource package for awareness in early childhood care and education.

16. Details of invited lectures inside country

Prof. Sunita Mishra

i. Invited Speaker National Webinar on on 'Effective Poshan (Nutrition) during Pandemic COVID-19' Organized by Central University of Haryana in association with National Academy of Sciences, India (NASI) on 24th September, 2020.

ii. Served in Awareness program of COVID-19 organized by All India Institute of Public and Physical health Sciences (AIIPPHS)

iii. Resource person in one day webinar on "Home Science for Being Self Reliant: Challenges and Opportunities" organized by Departmentof Home Science, Isabella Thoburn college, Lucknow on 23rd May, 2020.

Dr. U. V. Kiran

i. Invited Speaker on the topic "Occupational Health Hazards among Farm Women" in the First International Conference on Environment and Society on the theme Socio-economic challenges of Agriculture, Biodiversity and Environment on 22nd-23rd, Dec, 2019, organized by Glocal Environment & Social Association, HBTU, Kanpur and ABRF, India.

ii. Presented a paper on "Health Issues among Child Labour & Women in Unorganised Sector: An Asian Perspective" in the Global Conference on Our Biodiversity, Our Food & Our Health organized by BPS, Prayagraj, GESA, New Delhi and Botanical Survey of India on 21st-22nd, May, 2019.

iii. Presented a paper on "Role of Universities in Higher Education" in National Seminar Organised on the topic "Role of Universities in National Development-Future Perspectives on 10-11th Jan' 2019.

Dr. Neetu Singh

i As Coordinator of Poster competition under MHRD, "Swachhata Pakhwada" organized on the theme of "single use plastics and their alternatives. Sept.11,2019.

ii. As Coordinator of student counselling center organized orientation session for students during September 2019 to November 2019 in each department under various school.

iii. As Coordinator of competition under MHRD, "Swachhata Pakhwada" organized on the theme of "best out of waste "Janaury 24, 2020.

iv. As member celebrate Meghalaya statehood under MHRD "Ek Bharat Shrestha Bharat" programme on January 21, 2020.

v. On the occasion of World Food Day celebration organized "Nutria Foodica" 2K19, Exhibition Oct.16, 2019.

vi. On the occasion of Holi Festival organized consultancy of vegieflow holi colours by used of natural veg. and flower to promote healthy and eco-friendly holi colours, March 5, 2020.

vii. As Convener organized First Departmental Alumine Meet. November 29, 2019.

17. Details of invited lectures outside the country

Prof. Sunita Mishra invited as Key note speaker in International Seminar 2nd Global Meet on Science and Technology for ensuring quality (International Seminar) life held at Bali.

18. Details of National Awards/fellowship

i. Dr. U.V. Kiran, awarded by Best faculty for teaching Innovations by GESA-2019

ii. Dr. U.V. Kiran, Senior Scientist Award by for contribution in the field of science popularization-2019

iii. Dr. Neetu Singh, best faculty for teaching innovations in the field of innovations in teaching methodology during 1st annual session of GESA/ 1st international conference on environment and society (ICES 2019), December 22 & 23, 2019.

19. Details related to Good Governance at the Department level to ensure transparency/student participation/time bound results etc.

Transparency and participatory approach is adopted in the Department for timely completion of the tasks

i. Team work is encouraged among faculty members

ii. Students are involved and participation is encouraged in all the activities of the Department

iii. Advisory system is followed and hence the students issues are tackled at initial level

iv. Departmental Alumni are involved actively in the activities of the Department

v. Compliance to the time frame in completion of all the activities is ensured without any compromise to the quality

vi. Students are actively engaged in community service activities being organized by the Department and other baners like-UBA, EBSB and swacchata pakhwada etc.

20. Students achievements

I. Any other special achievements recorded by the students

Students also participatedin Swachh Bharat, Gender Sensitization, Unnat Bharat Abhiyan, Activities under women cellof the University.

II. Details of the Publications of the students (Books/Article/Book's chapter)

The M.Sc. and Ph.D. students of the Department do publish the research articles in reputed journals at National and International Level. (2019-20).

i. Ph.D. Degree awarded

SI. No.	Students	Supervisor	Title	Fellowship availed / availing
1.	Mrs. Poorva Dubey	Prof. Sunita Mishra	Impact of Okra Seed *(Abelmoschus Esculenutus)* in lowering the blood sugar and cholesterol level	UGC
2.	Ms. ChanchalRana	Prof. Sunita Mishra	Impact of multimedia and e-education on the academic performance of school going children.	NHFE
3.	Mrs. Archana Singh	Dr. U. V. Kiran	Accessibility of the differently abled in public places: an empirical analysis	UGC
4.	Ms. Bavita	Dr. ShaliniAgarwal	Evaluation and Designing of TLM (Teaching Learning Material) for children with autism.	UGC
5.	Mrs. Shweta Chaudhary	Prof. Sunita Mishra	Enrichment of Organic Kitchen Waste through Microbial Inoculation and its application quality	UGC

ii. Ph.D. Thesis submitted during the year- Nil				
1.	Swati Rai	Prof. Sunita Mishra	An Epidemiological study on Iron Deficiency Anemia and its Impact on the Health Status of the Reproductive Age Women	JRF
2.	Rasnika Amra	Dr. Shalini Agarwal	Building Resiliency among Children against Bullying through Participatory Approach.''	RGNF
iii. Ph.D. Students Pursuing				
1.	Deepti Singh	Prof. Sunita Mishra	Urban & Semi Urban high school students comparison in respect to e-learning resources their dependency and effect on academic performance	–
2.	Neeraj Kumar Tyagi	Prof. Sunita Mishra	Efficacy and Development of premix as a Nutrigenomics super food for life style related diseases	UGC
3.	Ruchi Verma	Prof. Sunita Mishra	Food Safety and Security aspects of Streets foods: AnInterventional Study	UGC
4.	Ms. Monika Patel	Prof. Sunita Mishra	A Study on Shelf Life of Food through Smart Packaging usingNanotechnology	UGC
5.	Mrs. Deep Shikha	Prof. Sunita Mishra	Nutritional Assessment of Patients undergoing Haemodialysis at Dialysis centrein Central Urban Lucknow	UGC
6.	M A FIRDAUS	Prof. Sunita Mishra		UGC
7.	Ms. Santoshi	Dr. U.V. Kiran	Health Hazards among ragpickers (<14years)-AnInterventional Study	UGC
8.	Ms. Utpal Verna	Dr. U.V. Kiran	Socio-economic status and Quality of Life of Transgender-A correlation study	UGC
9.	Ms.Padmini Pandey	Dr. U.V. Kiran	Health hazards among the Painters and Paint manufacture workers – A comparative analysis	UGC
10.	Ms. Nidhi	Dr. NeetuSingh	An Interventional Study on nutrient composition of breastmilk through Nutritional Supplementation	UGC
11.	Ms. Anukriti	Dr. NeetuSingh	Optimisation and Shelf life study of Vegetables by differentdrying methods	UGC
12.	Ms. Madhu	Dr. NeetuSingh	Functional Probiotic yoghurt fortification with vitamin-c rich fruits	UGC
13.	Mrs. PriyankaTripathi	Dr. NeetuSingh	Effect of some health educationalmethods in enhancing the knowledge about reproductive health of early married women.	JRF
14.	Poonam Verma	Dr. ShalniAgarwal	Mental Well being and occupational Health Safety Vulnerability among migrants of Lucknow City.	JRF
15.	Gayatri Prajapati	Dr. K. Sharmila	Impact of Assistive Devices on Emotional and Mental Wellbeingif Elderly	JRF
16.	Ratna Dixit	Dr. K. Sharmila	Fathers' Absence and its impacton Wellbeing of mothers and children	UGC
17.	Monica	Dr. K. Sharmila	---------	UGC

iv. Accomplishments of Students		
Number of students completed their Master/Graduation/Diploma	**M.Sc. (HD&FS)**	06
	M.Sc. (FST)	04
	Diploma in Dietetics & Nutrition	19
Number of students selected inCivil Services	**UPPSC**	----
	UPSC	----
Number of students pursuing higher studies	**Ph.D.**	02
Number of students selected on other government jobs/banking/School teaching etc	**Govt. Job**	03
	Teaching	02
	Job	03
Number of students placed throughcampus interview	**---**	-----
Number of students awardedSLET/NET/JRF/any other fellowship	**NET**	07
	JRF	01

21. Google profile of the faculty members:

Prof. Sunita Mishra

	All	Since 2015
Citation -	1545	1140
H-index -	20	17
I10-index -	46	31

Dr. U.V. Kiran

	All	Since 2015
Citation-	275	235
H-index-	9	8
I10-index -	8	6

Dr. Neetu Singh

	All	Since 2015
Citation -	84	40
H-index-	4	4
I10-index-	1	1

Dr. Shalini Agarwal

	All	Since 2015
Citation -	164	139
h-index -	7	6
I10-index -	4	3

Dr. K. Sharmila

	All	Since 2015
Citation-	5	5
h-index-	1	1
I10-index-	0	

SCHOOL OF MANAGEMENT

Initially the School for Management Studies was established in the Year'2010 with One Department, Department of Rural Management offering one Master Course, MBA (Rural Management). Subsequently Ph.D in Management, MBA (FM, HR, MKTG), M.Phill in Management, BBA and B.Com (Hons) programmes were added to the School for Management Studies. In the Year, August 2020, the name of the School was restructured as School of Management and Commerce. Two separate Departments are constituted viz, (1) Department of Rural Management (DRM) and (2) Department of Commerce (DC) under School of Management and Commerce.

DEPARTMENT OF RURAL MANAGEMENT

The Department of Rural Management under School for Management Studies (SMS) was established in the year 2010. The main objective of the School is to produce Socially, Culturally and Economically sensitive leaders in the field of Management and particularly in the world of Rural Management. India still being the largest agriculture based economy needs high skilled manpower to cater to the needs of farmers, agro based industries, NGOs, and other rural financial sectors. The School is bestowed with rich legacy of successful 5 years. Contemporary Doctoral, Postgraduate and Undergraduate courses pertaining to Business administration are run in this department. The various courses offered in the department are Ph.D., MBA (Rural Management), MBA (HR/ Finance/Marketing) under various disciplines and BBA. The thrust of the program is focused on quality teaching and research in management sphere. The objective of the department has always been to create a niche in management education. The teaching pedagogy is at par with best practices comprising of Case studies, Presentations, Industry Interaction, Projects etc. enabled with Audio-visual and field-based studies. The department has well experienced faculty with expertise in different aspects of business studies. The department regularly conducts curricular and extracurricular activities. Management Quiz, Extempore, Management Skits, Management Games, Cultural and Sports events are conducted for multifaceted development of young managers being groomed in department.

Outcome of Department of Rural Management (DRM)

India is known to a country of villages; about 70 million people live in these villages. These people are aspiring to live healthy and economically active life. For this to happen there is need to break the Rural and Urban boundary and achieve inclusive and sustainable development. To achieve this we need to leverage the rural resources and create income generating opportunities in rural regions. Department of Rural Management (DRM) is working in direction the direction of making rural India vibrant in terms of economic capabilities and inclusive development. We at DRM believe that proper use of rural resources, bridging gap in marketing and distribution of rural produce, financial Inclusion, efficient governance are some core issues if addressed aptly, Rural India will certainly become prosperous and India for sure become the world largest economy. With this conviction DRM faculties and staff are relentlessly working to achieve following major outcomes:- 1. Study and redesign the Management principles in rural perspective. 2. Train manpower that can understand and address specific managerial needs of rural business and entrepreneurship. 3. Conduct Research to provide policy inputs in context of rural development. 4. Training and Consultancy in the field of Manpower planning, worker and labour psychology, financial inclusion, livelihood, Agriculture Supply Chain Management, management of Microfinance Institutions etc.

Mission Statement: "Department of Rural Management (DRM) will relentlessly pursue the goal of making rural people prosperous and vibrant through Training, Research and Consultancy." Vision Statement: "Carving self reliant and sustainable rural ecosystem

- All amenities as offered by the Central Government.
- Wi –Fi campus.
- Well equipped computer lab.
- Rich department library along with central library.
- Placement and Training assistance.
- Lush green campus at suitable location and well connected through air, road and train.

- Hostel facility on merit basis.
- Most reasonable fee structure in India.
- Opportunity to gain experience and knowledge through regular extension and development activities conducted at department.

1. Course Offered

Ph.D, M.Phil, MBA(Rural Management, Finance Management, Human Resource Management, Marketing Management), B.Com(H), BBA

2. Facilities available in the department

Library, Computer lab, LCD equipped Classrooms

3. Details of Faculty: (15 Faculties (05 Regular, 10 Guest/Contract)

Prof. Kushendra Mishra

Professor & Head, DRM

Specialization: Economics, Legal and Regulatory Framework.

Qualification: MBA, Phd.

Prof. Md. Shakil Khan

Dean, Department of Rural Management

Specialization: Marketing, Rural Development

Qualification: MBA, Ph.D

Dr. Taruna

Assistant Professor

Specialization: H.R.M. OB, Stress Management

Qualification: M.B.A, PhD (Business Administration)

Dr. Ramesh Kr. Chaturvedi

Assistant Professor

Specialization : Consumer Research, Micro Finance

Qualification : M.B.A, PhD, MDSE, MA (Public Administration)

Dr. Lata Bajpai

Assistant Professor

Specialization : H.R.M. OB, Employee Engagement

Qualification : M.B.A, M.A, U.G.C - NET (JRF), PhD

4. Guest Faculty

Dr. Rakesh Kumar

Dr. Gulrukh Salim

Dr. Suman Devi

Dr. Shashi Bharti

Mr. Jamal Abdul Nasir

Dr. Asim hasan

Mr. Suhel Ahmad

Dr. Mohd. Nadeem

Dr. Kainat Siddiqui

Dr. Shushma Rani

5. Details of memorandum of Understanding signed with the national/foreign Institutions, If any

i. DICCI, MoU

ii. EDI, Ahmedabad (To develop Entrepreneur-ship among Students)

6. Co-curricular/Extra-curricular/sports Activity by the department

i. Cultural programs organized by students on various occasions like Teachers Day Welcome, Farewell etc; Plantation drives.

7. Details of Book written/edited by faculty members

i. Book titled "**Contemporary Research in Management**" Edited by **Ramesh Kr. Chaturvedi** Educrestion Publication.

8. Paper published during the year by the faculty members

Dr. Taruna

i. Paper titled "Women Entrepreneurship: Opportunities and Challenges At A Glance In Indian Context", published at International Journal of Research in HRM, Jan-June 2019, Vol. 1(1), Pg38-42.(PEER review journal)

ii. Paper titled "Financial Inclusion: A Symbolic Economic Value Addition In India", published at Ajanta Publication, Vol. VIII(1), Pg 44-52 (UGC Listed journal)

Dr. Ramesh Kumar Chaturvedi

i. Chaturvedi, R. & Dos, G. (2019). "Transit Economy and It's Elements" in International Multi Disciplinary Conference on Arts, Social Sciences, Management and Technology, Krishnan Maniam *et al*. Chennai, Anuragam, 68-88. ISBN: 9788194336334

ii. Chaturvedi, R. (2019). "Public Policy and Consumer Advocacy" in Dimensions of Consumer Decision Making by Atul Ddhayani *et al*. New Delhi, Excel India Publisher, 54-68. ISBN: 9789388237314

iii. Dwivedi S. Chaturvedi, R.K. (2019). Exploring Tech Savvy Trait AS a Base for Profiling Impulse Buyers, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Vol. 8(4) pp. 2946-2951.

Dr. Lata Bajpai

i. Srivastava, S., & Bajpai, L. (2020). Linking conservation of resource perspective to personal growth initiative and intention to leave: role of mediating variables. *Personnel Review.* **(ABDC-A Category, Scopus indexed, Impact Factor 2.4)**

ii. Mehdi, S.A. & Singh, L.B. (2020). Individual Entrepreneurial Orientation of Professional Course's Graduates. In. *Architecting HR Transformation: Digitalisation into Action, Bharti Publication*, 15-25. (ISBN: 978-98- 89657-38-8)

iii. Singh, N. & Singh, L.B. (2020). Effect of Academic Performance & Demographic Variables on Employability Skills of Engineering Graduates. In. *Architecting HR Transformation: Digitalisation into Action*, Bharti Publication, 60-67. (ISBN: 978-98- 89657-38-8)

iv. Singh, L. B., Mondal, S. R., & Das, S. (2020). Human resource practices & their observed significance for Indian SMEs. *Revista ESPACIOS*, 41(07).

v. Singh, L.B. (2020). "ODOP SCHEME FOR LOCAL CRAFT GOVERNANCE: 'CHIKANKARI' ENTREPRENEUR'S PERSPECTIVE" *Corporate Governance Insight*, 2 (1), 129-139. (ISSN: 2582- 0834)

vi. Singh, S., Mondal, S., Singh, L. B., Sahoo, K. K., & Das, S. (2020). An Empirical Evidence Study of Consumer Perception and Socioeconomic Profiles for Digital Stores in Vietnam. *Sustainability*, 12(5), 1716. **(SCOPUS – INDEXED)**

vii. Singh, L.B., Vashisht, A., Gover, P., & Mehdi, S.A. (2020). Role of Entrepreneurial Self-efficacy, Learning and Personal Growth initiative in developing Entrepreneurial intention. In *Global Digital Era, Re-innovate, Re-strategize, Re-model*. 42-47 (ISBN: 978-93- 89867-66-4).

viii. Singh, L.B. &Vashisht A. (2019). From Verbal Abuse To Intention To Leave: Role of Engagement And Emotional Exhaustion. *World Review of Entrepreneurship, Management and Sustainable Development* (Accepted for Publication) **(SCOPUS–INDEXED)**

ix. Singh, L.B. & Shrivastava, S. (2019). Unemployment and Mental Health: A Challenge for Policy Makers. In *Disruptive Paradigm Shift and Sustainability Revolution*. (pp.19-26). Bloomsbury Prime. (ISBN: 978- 93-88912-00-6).

x. Singh, L.B. (2019). Issues & Challenges in Functioning of Panchayati raj Institutions for sustainable development: A case study. *The International Journal of Science, Technology and Society*. 5 (1), 34-38. **(Peer Reviewed)**

9. Attended/Participated in conference/seminar /workshop inside country

Dr. Taruna

i. Attended Refresher Course at Academic Staff College, Lucknow University, 18th November-30th November 2019.

ii. Attended Research Methodology on Workshop, DRM BBAU, on 8th March - 14th March 2019.

iii. Attended Faculty Development Program on Advanced concepts for Developing MOOC sponsored by MHRD, Organised byTeaching Learning Centre, Ramanujan College, University of Delhi, New Delhi, 02nd-17th July, 2020.

iv. Attended Faculty Development Program on Entrepreneurship sponsored by MHRD organised by Teaching Learning Centre, Ramanujan College,

University of Delhi, New Delhi, June 23rd-June 29th, 2020.

v. Paper presented on A study of Managing organizational diversity through HR practices in India, presented at SMS Lucknow, 2nd-3rd March 2019.

vi. Paper presented on Influence of Technological advancement on working women, Rajarshi School of Management and Technology, Varanasi, 4-5 April 2019.

Dr. Ramesh Kumar Chaturvedi

i. Two days workshop on "Self Management of Excessive Tension" through Yoga. 02 (17th-18th Aug-2019) SMET, BBAU.

ii. Faculty Development Program on R-Programming 07 Days, January 2020 DY Patil University, Pune and IIT, Mumbai.

Dr. Lata Bajpai

i. Attended one week online Faculty Development Program on STRUCTURAL EQUATION MODELLING IN MANAGEMENT & SOCIAL SCIENCE USING AMOS & "R", from May 11-15, 2020, organized by Institute of Management Studies Ghaziabad.

ii. Attended 02 weeks UGC sponsored Refreshers course in Commerce, Applied economic & Business Administration from November 18, 2019 to November 30, 2019, organized by HRDC, Lucknow.

iii. Attended Seven Days National Workshop on Research Methodology, organized by DRM, BBAU, Lko. From March 8th 2019-to March 14th, 2019.

10. Details of invited lecture inside the country

i. Dr. R.K. Chaturvedi on Trensportation Problem on QIP, by KNIT Sitanpur, 04 Feb, 2020.

11. Students achievements

I. Accomplishments of Students

Number of students completed their Masters/graduation/Diploma	B.Com	79
	BBA	32
	MBA	120
Number of student pursuing higher studies	21	
Number of students placed through campus interview	72	
Number of student awarded SLET/NET/JRF/ any other fellowship	(NET=05)	

II. Ph.D Awarded during the year

Sl. No.	Students Name	Guide	Co-guide	Title	Fellowship availed/availing
01	Abhishek Mishra	Dr. K.Mishra	-	A Case Study of Eastern Utter Pradesh with Special Reference to Sugar Industry.	JRF
02	Arpit Shailesh	Dr. Taruna	-	Capital structure and socio-financial performance: a study of select Indian microfinance institutions	Non-Net
03	Rishish Mishra	Dr. AbhilashBabu		Role of finance enclusion practices in promoting ruralentreneurship in india: a study with special refrenceb to utter Pradesh	RGNF
04	Ekta Rastogi	Dr. M.S.Khan		A study of emerging trends of green consumer of generation 'y' and theirawareness & attitude level focusing FMCG products with special reference to NCR region	Non-Net
III. Ph.D thesis submitted during the year:					
01	Komal Ahuja	Prof. M.S. Khan	-	NA	SVSGC
02	Om PrakshSingh	Dr. Ramesh Kumar Chaturvedi	-	NA	Non-Net

IV. Ph.D students Pursuing:					
01	Vishal Verma	Prof. Kushendra Mishra	-	NA	Non-Net
02	Swati Anand	Prof. Kushendra Mishra	-	NA	Non-Net
03	Monisha Bhatia	Prof. M.S. Khan	-	NA	Non-Net
04	Mona Gautam	Dr. Ramesh K. Chaturvedi	-	NA	Non-Net
05	Azmee Zaheer	Prof. M.S. Khan	-	NA	Non-Net
06	Abhivykti	Dr. Ramesh K. Chaturvedi	-	NA	Non-Net
07	Neeraj kumar	Dr. Abhilash Babu	-	NA	Non-Net
08	Saumya Chandel	Prof. M.S. Khan	-	NA	JRF
09	Syed Asif Mehdi	Dr. Lata Bajpai Singh	-	NA	JRF
10	Manu Pal	Dr. Lata Bajpai Singh	-	NA	Non-Net
11	Pradeep Kumar Rai	Prof. M.S. Khan	-	NA	Non-Net
12	Arun Kumar	Dr. RameshKumar Chaturvedi	-	NA	RGNF
13	Vinay Punia	Dr. Abhilash babu	-	NA	RGNF
14	Mussa Md.	Dr. Abhilash Babu	-	NA	NFHE

12. Student publications

S.No.	Name of Student/Scholar	Books	Book Chapters	Papers in UGC listed journal	Papers in other peer review journal
01	Sher Singh	-	-	-	01

13. Googly profile of the faculty members

Prof. Kushendra Mishra

All	Since 2013	
Citations	560	--
h-index	--	--
I 10-index	--	--

Prof. Md. Shakil Khan

All	Since 2013	
Citations	--	--
h-index	--	--
I 10-index	--	--

Dr. Taruna

All	Since 2013	
Citations	--	--
h-index	--	--
I 10-index	--	--

Dr. Ramesh Kumar Chaturvedi

All	Since 2013	
Citations	24	60
h-index	3	3
I 10-index	--	--

Dr. Lata Bajpai

All	Since 2013	
Citations	60	60
h-index	5	5
I 10-index	3	3

I. Other Important Departments/Centers:

i. Description of the centre

ii. Highlights of the Departments

iii. Any other Information

II. At University level activities:

i. Unnat Bharat Abhiyan

ii. Swachchh Bharat Abhiyan

iii. Fit India Movement

iv. Alumni Association/Meet

v. Any other event organised/ celebrated by any of the Committee/ Person at University level having important to be noted may also be provided.

vi. National Service Scheme

SCHOOL FOR LEGAL STUDIES

The School of Legal Studies is proud of its accomplished faculty members and their deep commitment to Intellectual Inquiry in Law that sets them apart. The School of Legal Studies provides for an Interdisciplinary approach. Delivering excellent legal education is the core mission of the School of Legal Studies in order to shape the future legal minds of our country and the world.

The School of Legal Studies brings together leading faculties, scholars, alumni, researchers and members of the legal profession to provide students with a range of transformative and innovative experiences, both inside and outside the classroom and promote legal and ethical values through legal education.

DEPARTMENT OF HUMAN RIGHTS

Department of Human Rights conducts post-graduate teaching and research programmes in the areas relating to Human Rights and Law and aims at recommending appropriate measures for enforcing human rights and securing ends of justice through legal and democratic processes.

Presently, the Department is running Ph.D. and LL.M. courses. The number of students in Ph.D. course on date is 20 in Department of Human Rights and 03 Research Scholars from Department of Law under the supervision of Prof. Priti Saxena; LL.M. Course is 34 during the session 2019-20 out of which number of **open** category students is 16, EWS category students is 02; 01 PH Category students and students belonging to SC/ST category are 15 and Supernumerary Quota (Single Girl Child) is 01.

In Ph.D. course there is a one semester Pre-Ph.D. Research Course Work for the scholars. Besides Research Methodology-I & II, two Advance Papers are also offered as compulsory papers.

LL.M. course consists of four semesters spanning in two years. Students have to opt four papers in each semester. These papers cover many local, national, regional and global curriculums. The syllabus of LL.M. course has an inter-disciplinary approach. The LL.M. course is in tune with the prime concerns of legal aid, advocacy, social justice, community services and governance.

The students are encouraged to apply their knowledge of the subject in the real life situations. Besides dissertation writing on relevant issues of law and human rights, the students have to present ten seminars (one Mega Seminar based on empirical study) on different topics covering many national, regional and global issues of law and human rights as a compulsory part of the course work in the Third Semester.

1. Course Offered

i. LL.M. in Human Rights

ii. Ph.D.

2. Facilities available in the department

i. The Department is housed in School for Legal Studies Building.

ii. The Building is Wi-Fi connected.

iii. One Classroom, one Smart classroom, one legal aid room and one Conference hall.

iv. Head's Chamber and 04 faculty chambers

v. One Computer lab and Library at School level.

vi. Computers have been provided to all the teachers.

vii. Three LCD projectors and one Laptop are available for students' classes and conference hall.

viii. Xerox Machine along with required furniture is also available in the Department.

3. Details of Faculty: Academic Profile (Teaching & Research)

Department has Two Professors, One Associate Professor and One Assistant Professor at present. One post of Professor and two Assistant Professors are vacant. Faculty Members are drawn from the disciplines of Law, Political Science and Human Rights.

i. Priti Saxena

Professor

LL.M., Ph.D. in Law

Teaching & Research Since 18.11.1991 Constitutional Law, Administrative Law and Torts

ii. Preeti Misra

Professor

LL.M., LL.D.

Teaching & Research Since 20 Sept. 1999 Human Rights Law, Criminal Law, Women & Law

iii. Shashi Kumar

Associate Professor

M.A (Political Science) Ph.D. in (Political Science)

Teaching & Research Since 19th August 1997 Human Rights, Indian Politics & Law Political Theory

iv. Rashida Ather

Asst. Professor

M.A. (Human Rights) Ph.D. (Human Rights) Teaching & Research Since 20 Nov. 2008 International Human Rights, Humanitarian Law, Rights of women and children Refugee Rights

4. Details of Seminar/Conference organized by the department

i. One Week Workshop on Research Methodology on 22-26 April, 2019

ii. National Symposium on Human Rights in 21st Century: Sustainable Development Goals on 10th December, 2019

5. Other Departmental Level Academic Activities

The Department works under three Forums for its academic and extension activities and one for alumni activity:

I. Academic Forum

The department has an Academic Forum with Prof. Priti Saxena, as its Chairperson with Prof. Preeti Misra, Dr. Shashi Kumar and Dr. Rashida Ather as members. It is meant for arranging seminars, symposiums, workshops and guest lectures. The Forum is also commemorating various days e.g. Law Day, Human Rights Day, AIDS Day & Women Day, Health Day etc., with students participation through debates and speeches.

II. Legal Aid Clinic. The Department has a Legal Aid Clinic with Prof. Priti Saxena as Chairperson, Dr. Rashida Ather as its member and Dr. Preeti Misra as Coordinator. The LL.M. students have been deputed for working days in the Legal Aid Clinic. The Clinic is affiliated with State Legal Services Authority, Lucknow and District Legal Services Authority. The clinic is engaged in promoting human rights and legal literacy among the cross sections of the society. The clinic makes efforts to get in touch with NGOs working in the area of law and human rights.

III. Wall Magazine. The Department has a Wall Magazine Committee with Prof. Priti Saxena as its Chairperson and Research Scholars and students as members.

The efforts of the Committee is to gather the knowledge from all looks and corners from the legal experts, D.H.R. teachers and students and at the same time to disseminate the same back to the students for their benefit. The purpose of the wall magazine is to come out with new ideas and theories to improve and to add the knowledge. The contribution to this magazine is presently confined to faculty members, research scholars, and students of the DHR. The matter are displayed in four sections on the Wall Magazine-

a. Publication - The publication of abstracts and Research Papers.

b. Legal Updates - Daily news related to legal issues/ supreme Court judgements published in Newspapers/websites

c. Students' achievements- information about students winning and participating in various competitions.

d. Information and Guidance- information of career prospects and vacancies in the related field.

IV. Smriti Latika

Smriti Latika, a directory which provides a valuable and informative platform for all teachers and students of the department to promote professional links between the department and its alumni. Prof. Priti Saxena is its Patron,

and Dr. Rajeev Kumar Singh (President of Alumni Association), both through print and social media. The Alumni meet of the department is organised on every third Sunday of February each year.

V. Lectures

i. Prof. Mohd Muzammil, Former Vice Chancellor, MJP Rohilkhand University, Bareilly & Dr. Bhimrao Ambedkar University, Agra on Chief Guest of One Week Workshop on Research Methodology on 22/04/2019

ii. Prof. T.P. Singh, Director, CSSEIP, BHU, Varanasi on Qualitative Research on 22/04/2019

iii. Prof. Sanjay Singh, Hon'ble Vice-Chancellor, BBAU, Lucknow on Presidential Address of One Week Workshop on Research Methodology on 22/04/2019

iv. Dr. Mukul Srivastava, Dept. of Mass Communication & Journalism, University of Lucknow, Lucknow on Use of Computers in Research Methodology on 22/04/2019

v. Prof. Arbind Kumar Jha, Dean, School of Education, BBAU, Lucknow on Introduction to Research Methodology on 22/04/2019

vi. Prof. Praveesh Prakash, Asst. Librarian, University of Lucknow, Lucknow on Use of E-Resources in Research Methodology on 23/04/2019

vii. Prof. Shailesh Kaushal, Dept. of Business Administration, University of Lucknow, Lucknow on Use of SPS in Research Methodology on 23/04/2019

viii. Prof. S.D. Sharma, Dept. of Law, SLS, BBAU, Lucknow on Augmentation and Practical Application of Research on 24/04/2019

ix. Prof. Shubhaini A. Saraf, Head, Dept. of Pharmaceutical Sciences, BBAU, Lucknow on Ethical Research Writing on 24/04/2019

x. Prof. K.L. Bhatia, Former Dean and Head, Faculty of Law, University of Jammu on Legal Research Methodology & Legal Writing: Contours, Techniques & Nuances on 23/04/2019 & 24/04/2019

xi. Prof. Kaman Singh, Dean & Head, Dept. of Chemistry, School of Physical & Decision Sciences, BBAU, Lucknow on Quantitative and Qualitative Research on 25/04/2019

xii. Prof. Anjuli Agarwal, Professor & Officer Incharge, ARS Majhera, Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, Nainital on Research Methodology in Biosciences & Agriculture on 25/04/2019

xiii. Shri S.K. Shukla, Hon'ble Vice Chancellor, University of Lucknow, Lucknow on Human Rights in 21st Century: Sustainable Development Goals on 10/12/2019

xiv. Dr. Piush Antony, Social Policy Specialist, UNICEF, Lucknow on Human Rights in 21st Century: Sustainable Development Goals on 10/12/2019

xv. Prof. Mohd Muzammil, Former Vice Chancellor, MJP Rohilkhand University, Bareilly & Dr. Bhimrao Ambedkar University, Agra on Chief Guest of One Week Workshop on Research Methodology on 22/04/2019

xvi. Prof. T.P. Singh, Director, CSSEIP, BHU, Varanasi on Qualitative Research on 22/04/2019

xvii. Prof. Sanjay Singh, Hon'ble Vice-Chancellor, BBAU, Lucknow on Presidential Address of One Week Workshop on Research Methodology on 22/04/2019

xviii. Dr. Mukul Srivastava, Dept. of Mass Communication & Journalism, University of Lucknow, Lucknow on Use of Computers in Research Methodology on 22/04/2019

xix. Prof. Arbind Kumar Jha, Dean, School of Education, BBAU, Lucknow on Introduction to Research Methodology on 22/04/2019

xx. Prof. Praveesh Prakash, Asst. Librarian, University of Lucknow, Lucknow on Use of E-Resources in Research Methodology on 23/04/2019

xxi. Prof. Shailesh Kaushal, Dept. of Business Administration, University of Lucknow, Lucknow on Use of SPS in Research Methodology on 23/04/2019

xxii. Prof. S.D. Sharma, Dept. of Law, SLS, BBAU, Lucknow on Augmentation and Practical Application of Research on 24/04/2019

xxiii. Prof. Shubhaini A. Saraf, Head, Dept. of Pharmaceutical Sciences, BBAU, Lucknow on Ethical Research Writing on 24/04/2019

xxiv. Prof. K.L. Bhatia, Former Dean and Head, Faculty of Law, University of Jammu on Legal Research Methodology & Legal Writing: Contours, Techniques & Nuances on 23/04/2019 & 24/04/2019

xxv. Prof. Kaman Singh, Dean & Head, Dept. of Chemistry, School of Physical & Decision Sciences, BBAU, Lucknow on Quantitative and Qualitative Research on 25/04/2019

xxvi. Prof. Anjuli Agarwal, Professor & Officer Incharge, ARS Majhera, Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, Nainital on Research Methodology in Biosciences & Agriculture on 25/04/2019

xxvii. Shri S.K. Shukla, Hon'ble Vice Chancellor, University of Lucknow, Lucknow on Human Rights in 21st Century: Sustainable Development Goals on 10/12/2019

xxviii. Dr. Piush Antony, Social Policy Specialist, UNICEF, Lucknow on Human Rights in 21st Century: Sustainable Development Goals on 10/12/2019

6. Co-curricular/Extra-curricular/sports Activities:

i. योग प्रशिक्षक on 03th October, 2019

ii. Essay Competitionto observe Central Vigilance Week on Integrity - A way of life on 30th October, 2019

iii. Debate Competitionto observe Central Vigilance Week on Integrity - A way of life on 31st October, 2019

iv. Legal Aid Clinic and Legal Services Extension on Primary School, Hindu Kheda, Amausi, Sarojini Nagar, Lucknow on 18th November, 2019

v. Parent Teacher Meeting (PTM) on 30th November, 2019

vi. Poster Making Competition on Human Rights Day on 04th December, 2019

vii. Interactive Programme on for Lokmitra Sanstha on 21st January, 2020

viii. Slogan & Essay Writing Competitionson the occasion of National Girl Child Day on Empowerment of Girl Child Through Health & Education on 24th January, 2020

7. Visitors of Department from inside the Country

i. Prof. Mohd Muzammil, Former Vice Chancellor, MJP Rohilkhand University, Bareilly & Dr. Bhimrao Ambedkar University, Agra

ii. Prof. T.P. Singh, Director, CSSEIP, BHU, Varanasi

iii. Shri S.K. Shukla, Hon'ble Vice Chancellor, University of Lucknow, Lucknow

iv. Dr. Piush Antony, Social Policy Specialist, UNICEF, Lucknow

v. Prof. K.L. Bhatia, Former Dean and Head, Faculty of Law, University of Jammu

vi. Prof. Anjuli Agarwal, Professor & Officer Incharge, ARS Majhera, Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, Nainital

vii. Prof. Praveesh Prakash, Asst. Librarian, University of Lucknow, Lucknow

viii. Dr. Mukul Srivastava, Dept. of Mass Communication & Journalism, University of Lucknow, Lucknow

ix. Prof. Shailesh Kaushal, Dept. of Business Administration, University of Lucknow, Lucknow

8. Members/fellowship of Professional/ Academic bodies/editorial board:

Prof. Priti Saxena

i. **Life Member,** Indian Law Institute, New Delhi

ii. **Life Member,** Indian Association For Social Sciences And Health, Mumbai

iii. **Life Member,** Indian Institute of Public Administration, New Delhi

iv. **Member, Faculty Board,** Faculty of Law, Aligarh Muslim University, Aligarh**.**

v. **Member, Faculty Board,** Faculty of Law, DDU Gorakhpur University, Gorakhpur

vi. **Member Board of Studies** in Law, Kanpur University, Kanpur

vii. **Member Board of Studies** in Law Dr. Ambedkar Law University, **Tamil Nadu, Chennai.**

viii. **Member Board of Studies** in Law and Management in Nirma Univeristy, Ahemedabad, Gujarat

ix. **Member Board of Studies** in Law, Dr. SMNR University, Lucknow

x. Member DRC, Amity Law School, Amity University, Lucknow

xi. **Chief Editor** Journal for Legal Studies an International Journal of Legal Studies (ISSN 2321-1059)

xii. **Member** Editorial Board, Vidhi Sahitya Prakashan, Ministry of Law & Justice, Legislative Department, **Govt. of India,** New Delhi

xiii. **Member Advisory Board,** Shodh Prerak, A Multidisciplinary **Quarterly International Refereed Research Journal**, **ISSN 2231–413X**

xiv. **Member Editorial Board,** Shodh Pravah, A Refereed Research Journal**, (**ISSN 2231-**4113)**

xv. **Member Editorial Board,** Emerging Researcher (**ISSN 2348-5590**)

xvi. **Member Editorial Board,** Ad Valorem (**ISSN 2348-5485**)

Prof. Preeti Misra

i. Peer Team Member UGC, NAAC, Bangalore

ii. Member of Board of Post Graduate Studiesw (BPGS), Dept of Law, Sikkim University, Gangtok

iii. Research Degree Committee Member of P.G. Dept. of Law, Sambalpur University, Burla, Orissa

iv. Member Research Advisory Committee, Dept. of Law, Tripura University, Agartala.

v. Life member of Indian Society of Criminology (ISC), Chennai (Membership No. 1324)

vi. Life member of Indian Society of Victimology (ISC), Chennai

vii. Life member of Indian Association For Social Sciences and Health, (IASSH), Bombay (Membership ID 292)

viii. Life Member of Council for Peace, Democracy And, Cultural Diversity, Morena, M.P (Membership No. L85)

ix. Life member of Vidhi Bharti Parishad, New Delhi, (Membership No. 185)

Dr. Shashi Kumar

i. Indian Academy of Social Science, Allahabad.

Dr. Rashida Ather

i. **Life Member,** Indian association for Social Sciences and Health

ii. **Life Member**, All India Rights Organisation (AIRO), Lucknow

iii. **Life Member,** Indian Academy of Social Sciences, Allahabad

iv. **Member of** Institutional Ethics committee for stem cell research and therapy, Department of Stem cell and regenerative medicine, Sushma Hospital, Lucknow

9. Paper Published during the year by the faculty members

i. Prof. Priti Saxena

'Hashiye Ka Samaj: Samlangik, Ubhaylingi, Samuday Evam Unke Manav Adhikar' Journal of NHRC **Nai Dishaein**, 2019,at 196, published by National Human Right Commission of India. **ISSN No- 0973-7388 (UGC Care List)**

ii. Dr. Shashi Kumar

राजस्थान में अनुसूचित जातियों और जनजातियों की वर्तमान में स्थिति, मानव अधिकारः नई दिशाये, अंकः 16 वर्षः 2019: UGC Care list

iii. Dr. Rashida Ather

The Human Rights Based Approach to, Shelter: A Study in National and International Perspectives in Purkala Journal, ISSN 0971-2143, Vol. 31, Issue 24 May 2020, ROCK Art Society of India (UGC CARE LIST IMPACT FACTOE, 5.6)

10. Attended/participated in Conferences/ seminar/workshop inside Country:

Prof. Priti Saxena

i. **Keynote Speaker** in National Seminar on **'Social, Economic and Political Justice: Vision of Dr. B.R. Ambedkar under Living Constitution of India'** organized by University Institute of Legal Studies, Panjab University, Chandigarh on 14th March, 2020.

ii. **Keynote Speaker** and **Guest of Honour** in two days National Seminar on 'Criminal Justice system in India' organized by Rama University, Faculty of Juridical Sciences, Kanpur on 22nd February, 2020.

iii. **Key Speaker in the Plenary Session** in the **International Conference** on "Law Justice & Governance: Issues and Challenges", organized by Amity Law School, Amity University, Lucknow on 13th-14th February, 2020. (email 11 feb)

iv. Delivered a lecture as **Guest Speaker** on 'Contemporary Issues in Constitutional Law' in Tamil Nadu Dr. Ambedkar State Law University, Chennai on December 6th, 2019 to PG students of Law.

v. Special Guest in One Day Symposium organized by Dr. Ram Manohar Lohiya National Law University, Lucknow on October, 19th, 2019

vi. **Chief Guest** in the valedictory session in **International Symposium** on 'Environment, Sustainability, Law and Cultural landscape in Asia' organized by Dept. of Law and Geography, DDU University, Gorakhpur on October, 18th, 2019

vii. **Chief Guest** in the valedictory session in the **First Edition on National Quiz on Constitutional Law**, organized by Amity Law School, Amity University, Lucknow on 11th September, 2019 and addressed on "Pith of the Constitutional Law"

viii. Addressed as **Guest of Honour** in **National Faculty Development Program** for Law teacher10-16 June, 2019, organized by Amity Law School, Amity University, Lucknow on June 10th, 2019

ix. Delivered lecture as **Resource Person** on "**Current Issues and Challenges in Legal Research**" in One Week Workshop on Research Methodology (22nd-26th April, 2019) organized by Department of Human Rights, School for Legal Studies, BBA University, Lucknow.

x. Delivered lecture as **Resource Person** on "**Use of I.C.T. in Research**" in One Week Workshop on Research Methodology (22nd-26th April, 2019) organized by Department of Human Rights, School for Legal Studies, BBA University, Lucknow.

xi. **Chaired** a Technical Session in the National Conference on **"Technological Developments & Changing Dimensions of Law"** organized by ICFAI University, Dehradun on April, 13th, 2019.

xii. Addressed as **Guest of Honour** in the Inaugural Session of National Conference on **"Technological Developments & Changing Dimensions of Law"** organized by ICFAI University, Dehradun on 13th-14th April, 2019.

xiii. Presented a paper on, **"Artificial Intelligence and Human Rights"** in the National Conference on **"Technological Developments & Changing Dimensions of Law"** organized by ICFAI University, Dehradun on April, 13th-14th, 2019

xiv. **Chaired** a Technical Session in Interna- tional Seminar on **"Global Administrative Law" organized** by Faculty of Law, University of Lucknow, on April, 6th, 2019.

xv. **Keynote Speaker** in the Inaugural Session **in International Seminar** on **"Global Administrative Law"** organizedby Faculty of Law, University of Lucknow, on April, 6th, 2019.

Prof. Preeti Misra

i. Chaired a Session in International Seminar on "Law, Justice and Governance : Isues and Challenges" organized by Amity Law School, Amity University, Lucknow held on 13th March, 2020

ii. Chaired a Session in National Seminar on "Empowerment of Tribal Women in India: Isues and Challenges and Perspectives" held on 7th March, 2020

iii. Director of National Webinar on "Pandemic, Global Health and the Response of International Law" organized by DHR, BBAU on 20th May 2020

iv. Co-Director of International Webinar on 'Quarantine and Prevention of Diseases: international and Comparative Law Perspectives' Organized by CPGS, SLS, BBAU on 25 May 2020

Dr. Shashi Kumar

i. Presented a paper on "Indian Constitution and Human Rights: A Symbiotic Relationship'' in National Seminar " Indian Constitution and Social, Economic, Political Justice: Issue & Challenges, organized by Department of Law, BBAU on 26th November 2019

ii. Presented a paper on "Right to Peace: Can it be Human Right "in International Conference on

''Towards Interreligious Understanding and Global Peace", Organised by UNESCO chair, MCPR BHU and URI. USA on 24th November 2019

iii. Presented a paper on "Human Rights and Sustainable Development Goals in Indian Perspective", in National Symposium organised by DHR, BBAU on 10th December 2019

Dr. Rashida Ather

i. Presented a paper in national seminar on **PPV&FR Act: An Analysis of Protection of Rights of Farmers on theme of Horticulture a Boon for Indian Economy** organised by dept. Horticulture, BBAU, held on 31st October, 2019

ii. Presented a paper in national seminar on **Impact of Industrialization on Environment of India: An Overview on theme of Consumerism, Social Equity, and Environmental Sustainability** organised by Academic Development Committee, KKV, Lucknow, held on 1-2 February, 2020

iii. Presented a paper in International Seminar on **Depiction of Human Values in Work of Mir Anees on theme of Contribytion of Nawabs and Kings of Awadh in Promotion of Persian, Arabic and Urdu Language and Literature** organised by Dept. of Oriental Studies University of Lucknow, BBAU, held on 27-29 January, 2020

11. Consultancy works

Legal Aid Clinic provides free legal consultancy.

12. Details of invited lectures inside country

Prof. Priti Saxena

i. Delivered a lecture as **Resource Person** in **One Week (11-17 March, 2020) Interdisciplinary Faculty Development Program, funded by RUSA on 'Freedom of Speech and Expression: Some Socio, Political and Legal Dimensions** on 'Right to Information: an offshoot of Freedom of Speech and Expression' organized by University Institute of Legal Studies, Panjab University, Chandigarh on 14th March, 2020.

ii. Delivered a lecture on **'Protection of Vulnerable Group through Legal Inclusion'** in Centre of Social Exclusion and Inclusive Policy**, BHU, Varanasi on February, 29, 2020.**

iii. Delivered a lecture as **Key Speaker** in an Interactive Session on Gender Sensitization in Boys Hostel of BBA University, Lucknow on August, 28th, 2019

iv. Delivered a lecture as **Resource Person** in **U.P. State Legal Services Authority to Law interns on Right to Privacy in Special Context of AADHAR"** on June 11th, 2019.

v. Delivered a lecture as **Resource Person** on "How to Make Teaching Effective of Constitutional Law: The Techniques" in **National Faculty Development Program** for Law teacher 10th-16th June, 2019, organized by Amity Law School, Amity University, Lucknow on June 10th, 2019

vi. Delivered lecture as **Resource Person** on "**Challenges of teacher during Fourth Industrial Revolution**" in 04 days Training Program on **Academic Leadership and Education Management** on 28th April, 2019, organized by MJPRU Bareilly, under the aegis of CALEM, Aligarh Muslim University, Aligarh of MHRD Scheme of PMMMNMTT

vii. Delivered lecture as **Resource Person** on "**Effective Leadership and Strategic Planning**" in 04 days Training Program on **Academic Leadership and Education Management** on 28th April, 2019, organized by MJPRU Bareilly, under the aegis of CALEM, Aligarh Muslim University, Aligarh of MHRD Scheme of PMMMNMTT.

viii. Delivered a lecture to Faculty Members in Chaman Lal Mahavidyalay, Haridwar, U.K. on **"How to Improve Teaching & Research in Higher Education"** on April, 27th, 2019.

Prof. Preeti Misra

i. Lecture on "Fundamental Rights and Access to Justice With Special Reference to Women" in a workshop on Constitution of India: Importance and Relevance held on 19th February 2020 in Ram Sraroop University, Lucknow.

ii. Key Note address on "Administration of Criminal Justice in India" in National Conference on Criminal Justice System in India 2020 organised by Rama University, Kanpur on 21st February 2020.

iii. **Panel Lecture** on "Protection of Women From Domestic Violence" in 7th Conference on "Society & Well Being" organized by Amity Institute of Behavioural & Allied Sciences, Amity University, Lucknow on 25th February 2020

Dr. Shashi Kumar

i. Chaired the session and delivered speech in International Conference on "Towards Interreligious Understanding and Global Peace", Organised by UNESCO chair, MCPR BHU and URI. USA on 24th November 2019

ii. Chaired the session in National Seminar " Indian Constitution and Social, Economic, Political Justice: Issue & Challenges, organized by Department of Law, BBAU on 26th November 2019

iii. Chaired the session in 8th International Library and Information Professional Summit organised by DLIS, BBAU on 22nd November, 2019

Dr. Rashida Ather

iv. Delivered lecture as Chair in the International Conference on "Law Justice & Governance: Issues and Challenges", organized by Amity Law School, Amity University, luck now on 13th-14th February, 2020.

v. Delivered lecture as recourse person in Legal Aid Camp, organized by department of Human Rights, govt. School, Amausi, Lucknow held on 18 November, 2019

vi. Addressed as Special Guest in International Seminar on theme of Human Rights and Imame Raza (a.s.) organized by dept. of Oriental Studies, held on 18 July, 2019

vii. Delivered lecture as Qualities of a Good Researcher" in One Week Workshop on Research Methodology (22nd-26th April, 2019) organized by Department of Human Rights, School for Legal Studies, BBA University, Lucknow

viii. Delivered lecture as Resource Person "Ethical Issues in Research" in One Week Workshop on Research Methodology (22nd-26th April, 2019) organized by Department of Human Rights, School for Legal Studies, BBA University, Lucknow.

13. Students achievements

I. Ph.D. student's pursuing

S. No.	Name of Ph.D. Students	Supervisor	Co- Su-pervisor	Title	Fellowship availed/ availing	Remarks
1.	Mr. Deependra Nath Pathak	Retd. Prof. S.K. Bhatnagar	-	Legal Regulation of E-Commerce: A Study with reference to consumers Rights	UGC-Non NET Fellowship	
2.	Ms. Manjari Rawal	Retd. Prof. S.K. Bhatnagar	-	Lok Adalats In India With Reference To The Functioning of Lok Adalats In Lucknow Since 2010	RGNF	Ph.D. Submitted on 04/11/2019
3.	Mr. Girijesh Kumar Singh	Prof. Priti Saxena	-	Legal Protection and Status of Differently Abled Persons in India: A Comparative Study of Higher Educational Institutions in Lucknow, Uttar Pradesh	RGNF-PH SRF	Ph.D. Submitted on 01/11/2019
4.	Ms. Preeti Bhasker	Prof. Preeti Misra	-	Physical Violence against Women and Compensatory Jurisprudence with Special Reference to Acid Attack Victims	UGC SRF	Ph.D. Submitted on 04/11/2019
5.	Mr. Pramod Kumar	Dr. Rashida Ather	-	Legal Protection of Refugees: A Study in National and International Human Rights Perspectives	RGNF	Pre Ph.D. Seminar was held on 10/11/2019
6.	Mr. Manindra Kumar Singh	Retd. Prof. S.K. Bhatnagar	-	A Legal Study of Marine Environment with Special Reference to Conservation of Marine Fisheries	UGC JRF	Pre Ph.D. Seminar was held on 17/12/2019

7.	Mr. Satyendra Kumar Maurya	Retd. Prof. S.K. Bhatnagar	-	A Study of the Regulatory Framework for Misleading Advertisements with Special Reference to Consumer Interests	UGC JRF	Pre Ph.D. Seminar was held on 25/10/2019
8.	Ms. Indu Bala	Dr. Shashi Kumar	-	Right to sanitation in India: A Socio Legal Study with Special Reference to Lucknow city in Uttar Pradesh	RGNF	
9.	Mr. Rajit RamSonkar	Dr. Rashida Ather	-	Right to Shelter- A Socio-Legal Study with Reference to Rural Areas of Lucknow District in Uttar Pradesh	RGNF	
10.	Prashant Tripathi	Prof. Priti Saxena	Dr. ShashiKumar	A Study of Technological Developments and Changing Dimensions of Law with Special Reference to Autonomous Systems and Artificial Intelligence	UGC-Non NET Fellowship	
11.	Yogendra Nath Tripathi	Dr. Rashida Ather	Prof. Preeti Misra	A Socio Legal Study of Child Beggars in Varanasi City of Uttar Pradesh	UGC-Non NET Fellowship	
12.	Richa Devi	Dr. Shashi Kumar	Prof. Priti Saxena	Title is not decided to yet time	UGC-Non NET Fellowship	Application givenfor Part Time Ph.D.
13.	Anurag Krishan Tiwary	Prof. PreetiMisra	Dr. Shashi Kumar	Status of Women Workers in Unorganised Sector- A Socio-Legal Study of Ranchi, Jharkhand	UGC-Non NET Fellowship	
14.	Jitendra Kumar Saroj	Prof. PreetiMisra	Dr. Shashi Kumar		UGC-Non NET Fellowship	
15.	Shivpriya	Prof. PreetiMisra	Dr. Rashida Ather	Climate Change and Women's Health: A Socio Legal Study with Reference to Gorakhpur District of Uttar Pradesh	UGC-Non NET Fellowship	
16.	DineshKumar	Prof. PreetiMisra	Dr. Shashi Kumar	Status & Impact of Inter-Caste and Inter Religious Marriage- A Socio-Legal Study with Reference to Lucknow, U.P.	UGC-Non NET Fellowship	
17.	Jaya Chaudhary	Dr. Rashida Ather	Prof. Priti Saxena	A Socio Legal Study of Women with Disabilities in Higher Educational Institutions of Lucknow City, U.P.	UGC-Non NET Fellowship	
18.	Ashok Kumar	Dr. Shashi Kumar	Prof. Preeti Misra	The Status of Sanitation Workers in India: A Socio-Legal Study in Human Rights Perspective in Lucknow, U.P.	UGC-Non NET Fellowship	
19.	Shiv Kumar	Dr. Shashi Kumar	Prof. Preeti Misra	Privacy as a Human Right in Digital Age: A Socio-Legal Study of Social Media Users in India	UGC-Non NET Fellowship	
20.	Deepika Rani	Prof. Priti Saxena	Dr. Rashida Ather	Title is not decided to yet time	UGC-Non NET Fellowship	
21.	Sweta Rani	Prof. Priti Saxena		Right to Information	UGC-Non NET Fellowship	
22.	Arun Kumar Mishra	Prof. Priti Saxena		Right to Privacy with Reference to AADHAR Card	UGC JRF	
23.	Shalini SinghTomar	Prof. Priti Saxena		Access to Justice.	UGC-Non NET Fellowship	

II. LL.M. Dissertations (Equivalent to M. Phil)

Awarded in June 2019

S. No.	Supervisor	Co-Supervisor	Name of Students	Dissertation Title
1.	Prof. Priti Saxena	Dr. Rajeev Ranjan	Sadaf Rizwan	A Study on the Viability of Conducting Simultaneous Elections in India
2.	Prof. Preeti Misra	-	Hira Mani	Women and Domestic Violence
3.	Prof. Preeti Misra		Diwakar Ram	Dalit Movement in India with Special Reference to Dalit Women
4.	Prof. Priti Saxena	Dr. Vijay Kumar Bhaskar	Ram Chandra Singh	National Judicial Appointment Commission: Law, Policy and Challenges
5.	Prof. Priti Saxena	Dr. Vijay Kumar Bhaskar	Raveesh Kumar	Rights to Safe Drinking Water-International Human Rights, Constitutional, Judicial and National Perspectives
6.	Dr. Rashida Ather	Dr. Rajeev Ranjan	Aradhana Singh	Democracy, Good governance & Corruption: A Study in Indian Perspectives
7.	Prof. Preeti Misra	Dr. Vijay Kumar Bhaskar	Vivek Anand	
8.	Prof. Preeti Misra		Navneet Kumar Tripathi	Plea Bargaining in US & India: "A Comparative Study"
9.	Prof. Preeti Misra	Dr. Rajeev Kumar Singh	Manish Kumar	Law Relating to Sexual Offences in India: A Critical Analysis
10.	Prof. Priti Saxena	Dr. Rajeev Kumar Singh	Rajat Kumar	Appointment of Judges: A Study with Reference to Higher Judiciary in India
11.	Dr. Shashi Kumar	Dr. Vijay Kumar Bhaskar	Shivi Kumar	Climate Change and Its Impact on Human Rights- With Referenceto Indigenous People
12.	Dr. Rashida Ather	Dr. Rajeev Kumar Singh	Nasma Abidi	Sexual Harassment of Women at Workplace in India: A Legal Study with Human Right Perspective
13.	Dr. Preeti Misra	Dr. Rajeev Ranjan	Mani Ram	Constitutional Rights of Women and Empowerment in Human Rights Perspective
14.	Prof. Priti Saxena		Anita	भारत में वायु प्रदूषण के विशेष संदर्भ में लोकहितवाद एवं पर्यावरण संरक्षण
15.	Dr. Shashi Kumar		Ram Chandra Meena	राष्ट्रीय मानवाधिकार आयोग के समक मानवाधिकार के क्रियान्यवन में चुनौतियाँ एवं
16.	Dr. Rashida Ather	-	Hemlata	Women Empowerment in Rural Panchayat: A Study with Special Reference to Mohanlalganj Block in Lucknow
17.	Dr. Shashi Kumar	-	Shashant Kumar	Impact of Industrial Activities on Environment: An Overview on Development of Laws in India
18.	Dr. Shashi Kumar	Dr. Rajeev Kumar Singh	Preti Chaudhari	An Appraisal of POSCO Act in reference to Right of Child
19.	Dr. Shashi Kumar	Dr. Rajeev Ranjan	Manisha Kumari	Right to Children to Free and Compulsory Education Act, 2009: A Study of Implementation of the Act in Mohanlalganj, Lucknow.
20.	Dr. Rashida Ather	-	Manoj Kumar	The Role of National Human Rights Commission Protection of Human Rights: A Special Study of Women's Rights
21.	Dr. Rashida Ather	Dr. Vijay Kumar Bhaskar	Sudhir Kumar	भारत में महिलाओं का भरण–पोषण
22.	Dr. Shashi Kumar	-	Brijesh Kumar	अनुसूचित जाति एवं जनजाति के अधिकारों तथा सशक्त
23.	Dr. Rashida Ather	-	Suresh Kumar	भारत में बालश्रम पर एक एवं सामावजक अध्ययन : उत्तर प्रदेश के कानपुर के संदर्भ में।

III. Work in progress

Sl. No	Name of Students	Supervisor	Co- Supervisor	Dissertation Title
1.	Shailesh Kumar Singh	Prof. Priti Saxena	Dr. Rajeev Kumar Singh	E-Waste Rules and its Management in India
2.	Vijay Lakshmi	Prof. Priti Saxena	Dr. Vijay Kumar Bhaskar	Judicial Legislation in India: An Intervention into Separation of Power
3.	Tanuj Kumar	Dr. Rashida Ather	Dr. Rajeev Ranjan	A Legal Study of Divorce under Muslim Law
4.	Anusri Srivastava	Dr. Shashi Kumar	Prof. Priti Saxena	भारत में वृद्ध व्यक्तियों के अधिकारों के संरक्षण का अध्ययनः लखनऊ शहर के विशेष संदर्भ में
5.	Namrata Sharma	Prof. Priti Saxena	Dr. Rajeev Kumar Singh	Child Labour
6.	Anjani Kumar Gupta	Dr. Rashida Ather	Dr. Vijay Kumar Bhaskar	Mob Lynching in India : Art 21 of The Indian Constitution as Human Right
7.	Aishwarya Pratap Singh Rathore	Prof. Priti Saxena	Dr. Rajeev Ranjan	Constitutional Morality in Comparison to Religious Morality with Special Reference to Sabarimala Judgment
8.	Prince Dikshit	Dr. Rashida Ather	Dr. Rajeev Kumar Singh	भारत में न्यायिक सक्रियता : सूचना के अधिकार के संदर्भ में एक विधिक अध्ययन
9.	Prerit Narayan Mishra	Prof. Preeti Misra	Dr. Vijay Kumar Bhaskar	Rights of Transgenders in Relation to Right to Privacy Under Article- 21
10.	Sunil Kumar	Dr. Shashi Kumar	Prof. Preeti Misra	Harassment and Regeneration of Child Laborers

11.	Km Sharmila	Dr. Shashi Kumar	Prof. Preeti Misra	महिलाओं के अधिकारों के संरक्षण एवं कल्याण में उ०प्र० राज्य महिला आयोग की भूमिका का अध्ययन
12.	Mahima	Dr. Shashi Kumar	Dr. Rashida Ather	"ग्रामीण क्षेत्र की महिलाओं का उत्पीड़न एवं उत्थानः ग्राम जोगिया (जिला महाराजगंज उत्तर प्रदेश) का विशेषणात्मक अध्ययन"
13.	Priyanka	Dr. Shashi Kumar	Dr. Rashida Ather	अनुसूचित जाति एवं जनजाति के अधिकारों तथा स्थिति का ग्राम जमुनीपुर (आजमगढ़)
14.	Rahul Kumar Pankaj	Prof. Priti Saxena	Dr. Rajeev Ranjan	भारत में प्राथमिक शिक्षा का अधिकार : एक सामाजिक विविधक अध्ययन
15.	Anikaet Solanki	Prof. Preeti Misra	Dr. Rajeev Kumar Singh	Sexual Harassment of Women atworkplace with reference to Lucknow
16.	Kamini Gautam	Prof. Preeti Misra	Dr. Vijay Kumar Bhaskar	अन्तर्राष्ट्रीय मानवीय विधि और सशस्त्र संघर्ष के समय नागरिकों का संरक्षण तथा अधिकार–सीरियाई विवाद
17.	Avnish Pratap Raaz	Dr. Rashida Ather	Dr. Rajeev Ranjan	विश्वविद्यालय स्तर पर विद्यार्थियों के मध्य मानवाधिकारों की जागरूकता का अध्ययन
18.	Reema Choudhary	Dr. Rashida Ather	Dr. Rajeev Kumar Singh	Protection of Refugee in India (A Study with Special Reerence to Rohingyas
19.	Ravi Prakash	Prof. Preeti Misra	Dr. Vijay Kumar Bhaskar	Critical Evaluation of Fundamental Duties of Part IVA of Constitution
20.	Pavan Kumar Raw	Prof. Preeti Misra	Dr. Rajeev Ranjan	

IV. Accomplishments of Students

Number of students completed their Masters/graduation/Diploma	23
Number of Student selected in Civil Services	00
Number of Students pursuing higher studies	00
Number of student selected on other government jobs/banking/school/teaching etc	03+
Number of Students awarded SLET/NET/JRF/RGNF/ any other fellowship	05

14. Google profile of the faculty members

Prof. Priti Saxena: Yes

DEPARTMENT OF LAW

The Department of Law started from Session 2008-09 with in the School for Legal Studies offering four-Semester LL.M, B.B.A. LL.B. (H) and Ph.D. programmes in Law. The main objective of the Department is to impart quality legal education and to prepare the students for socially responsible, make them self-employed, and well-placed in Supreme Court of India, High Courts, national and international organizations, non-governmental organizations, reputed corporate law firms, multi-national corporations, Banks and Bar. The objective is also to give them skills to develop art of advocacy and Para-logic for any social issues relating to the present day problem. During the course, emphasis is also given to acquaint the students with modern areas of law such as Intellectual Property law, environmental law, Law and Sustainable Development, Law and Bio-technology, Information Technology Law, ADR and Arbitration Law, Cyber Laws, International Trade Law etc. Further constant efforts are made to develop a taste amongst the students in the current areas of national international issues relating to climate change and disarmament (nuclear weapons) are deliberated in Seminars and Conferences with the objective to sharpen their argument and develop legal reasoning.

Objective

- To evolve and impart comprehensive legal education and to achieve excellence.
- To produce able, competent and humane, Teachers, lawyers, social activist, judicial officers, legal adviser in governmental and non-governmental organization.
- To promote advance studies and research in all branches of law
- To inculcate cultural, legal and ethical values with a view to foster the rule of law and the objective enshrined in the constitution of India.

- To empower the citizen through legal awareness by making them aware of their rights and duties.

The department is going to open different Centre's of excellence in area of Law and Governance, Environmental Law, Intellectual Property Law, Health Care Laws, ADR, Disaster Management and Law etc in coming future.

1. Courses Offered

i. LL.M. (Two Year Course)

ii. Ph.D.

ii. B.B.A. LL.B. (H) (Five Year Course)

2. Details of the faculty

i. Prof. Sudarshan Verma

Head, Professor

LL.M., Ph.D. (Kumaun University, Nainital)

Constitutional Law, Law of Torts, Administrative Law, Women and Law.

ii. Dr. Sanjeev Kumar Chadha

Associate Professor

LL.M. (Rohilkhand University Barailly)

Ph.D. (Bundelkhand University, Jhansi)

Law of Tort, Administrative Law. Intellectual Property Rights, Environmental Law

iii. Ms. Sufia Ahmed

Assistant Professor

LL.M., (BHU) Ph.D.(BBAU) (NET-JRF)

Intellectual Property Law, Environmental Law, Criminal Law, Taxation, Family Law.

iv. Dr. Anis Ahmad

Assistant Professor

LL.M. (AMU Aligarh) Ph.D. (MDU, Rohtak) (NET)

Environmental Law, Jurisprudence, Intellectual Property Law.

v. Dr. Pradeep Kumar

Assistant Professor

LL.M. (BHU) Ph.D. (BHU) (NET)

Criminal Law, Administrative Law Intellectual Property Law.

vi. Dr. Mujibur Rehman

Assistant Professor

LL.M. (AMU Aligarh) Ph.D. (AMU Aligarh) (NET)

Criminal Law, Family Law, Constitutional Law, Human Rights, Procedural Laws

3. Details of the Seminar/Conference/Webinar organized by the Department:

i. Organized a National Seminar on "**Indian Constitution and Social, Economic, Political Justice: Issues & Challenges**" on 26th November 2019 organized by Department of Law, SLS, BBAU, Lucknow.

Special Lecture

ii. Organized a Special Lecture on "**An Indian Perspective of Human Rights: An Overview of Mahatma Jyotiba Phule**" on 19th February 2020 organized by Department of Law, SLS, BBAU, Lucknow.

4. Other Departmental Level Academic Activates:

i. Student's academic forum Department of Law, School for Legal Studies BBAU, Lucknow initiated Law Student's Academic Forum in the year 2012.

The forum aimed to equip students with necessary skills of debating and discussion and train them in honing up their communication skills especially in argument, motivation, and in the development of leadership qualities in the order of constructing and structuring a powerful student community towards a powerful society.

The forum in particular takes up new and emerging issues in legal academia to fill the gap between theory and practice when the implementation of law comes in the broader ambit of social *milieu*.

ii. **Discussion and Debate Programmes were organized by Students Academic forum of the department on the following dates and topics:**

a. Law Students Academic Forum of Department of Law celebrated **World IPR Day** 26th April, 2019.

b. Law Students Academic Forum of Department of Law celebrated **World Disability Day** 12th December, 2019.

iii. **Community Legal Literacy and Consultancy/ Mediation Cell (CLLCM):** The Department has established a **Community Legal Literacy and Consultancy/Mediation Cell** (CLLCM) in the Department to disseminate the legal knowledge among the Rural - Urban **poor's /illiterate's/ Indigent residents of nearby** villages of the University.

Free Legal Consultancy/ Mediation service will also be provided by the teachers/Ph.D. students of the Department to poor and illiterate people. For this purpose Department is also try to negotiate with the State Legal Service Authority Uttar Pradesh to provide the free legal aid to the poor's /illiterate's/ Indigent.

The cell organized Community Legal literacy programme in four schools of *Aurangabad Jagir* Village on **Recitation of Preamble of the Indian Constitution** to celebrate Constitutional Day on 26 Nov, 2015 Lucknow.

a. Community Legal Literacy and Consultancy/ Mediation Cell (CLLCM) of Department of Law celebrated "Har Vote KuchKahtaHai" on 2nd-3rd May 2019.

b. Community Legal Literacy and Consultancy/ Mediation Cell (CLLCM) of Department of Law celebrated "Save Environment "on 18th November 2019.

c. Community Legal Literacy and Consultancy/ Mediation Cell (CLLCM) of Department of Law celebrated International "Human Rights Day" on 18th November 2019.

iv. **Counseling, Guidance and Placement Cell:** Counseling, Guidance and Placement Cell at Department level was established to counsel, guide and supervise the students for PCS-J, APO, UGC-NET/JRF and other competitive examinations.

v. **Glimpses of Legal News:** A soft board is placed in the department on which recent legal updates including new legal enactments, recent judgments, articles on various socio-legal issues. The observations made by the judges in various cases are placed which keep students updated.

5. Co-curricular/Extra-curricular/sports Activities:

Cultural Programs organized by students on various occasions like Teachers Day, Welcome, Farewell etc;

6. Members/fellowship of professional/ Academic bodies/editorial board

i. Dr. Sanjeev Kumar Chadha

a. **Indian Society of International Law**, New Delhi. **Life Member, Membership No.- 385.**

b. Indian Law Institute, New Delhi, **Life Member, MembershipNo.- L-1726.**

c. All India Law Teachers Congress, Member, **Membership No.- 362**.

d. Indian Social Science Congress, **Till Life, Membership No.- LF/1038/214/2007.**

e. Member, Editorial Committee, as Guest Associate Editor, in "ESSENCE" an International Journal for Environmental Rehabilitation and Conservation.

ii. Dr. Sufiya Ahmed

a. Life Member All India Rights Organization, Lucknow

b. Member, Editorial Committee, Azad Academy Journal.

iii. Dr. Anis Ahmad

a. Life Member All India Law Teachers Congress, New Delhi

b. Member, Editorial Board, Culture, Society & Law, New Delhi (A Refereed, Multidisciplinary, International Journal) ISSN No. 2348-1250.

iv. Dr. Pradeep Kumar

a. All India Law Teacher Congress Life time member

v. Dr. Mujibur Rehman

a. **Member-**Board of Post Graduate Studies, Dept. of Law, BBAU, Lucknow

b. **Coordinator-** Internal Quality Assessment Cell, Dept. of Law, BBAU. Lucknow.

c. **Member-** Examination and Admission Committee, Dept. of Law, BBAU, Lucknow.

d. **Member-** Legal Aid Clinic under NALSA, Department of Law, BBAU, Lucknow.

7. Details of Book Chapter in edited volume

i. Dr. Sanjeev Kumar Chadha

Chadha, Sanjeev Kumar, First Author, Topic "Social Acceptance of Surrogate Motherhood and Rights of Women In Surrogacy" Peer Reviewed, Edited Book "Surrogacy & Art in India, Socio-Legal and Ethical Dilemma," (2020) Edited by Dr Sufiya Ahmed, Published by Satyam Law International, ISBN 978-93- 87839-57-1, Page 267-276

ii. Dr. Sufiya Ahmed

SufiyaAhmed(Ed.), Surrogacy and ART in India: Socio-Legal and Ethical Dilemma ISBN: 978-93-87839-57-1 Satyam Law International, New Delhi.

iii. Dr. Anis Ahmad

Anis Ahmad &Prashant Kumar Varun, "Surrogacy and Constitutional Right of Women: A Legal Analysis in the Context of the Surrogacy (Regulation) Bill,2019 in Sufiya Ahmed, Surrogacy and ART In India: Socio- Legal and Ethical Dilemma ISBN: 978-93-87839- 57-1 Satyam Law International, New Delhi. Page No.99-1114.**(BOOK Chapter)**

iv. Dr. Mujibur Rehman

Mujibur Rehman, (2020), Title Surrogacy in India: Administrative, Adjudicatory and Institutional Challenges, Published in Surrogacy & Art in India socio-Legal and Ethical Dilemma, Published by Satyam Law International, New Delhi, Edition 2020, ISBN No. 978-93-87839-57- 1, Page No. 155 to 179.

8. Paper Published during the year by the faculty members

i. Prof. SudarshanVerma

a. Co-Author **Prof. Sudarshan Verma &** Author-Nitish Chaturvedi, 2019, Muslim vayaktikVidhi main Teen Talaquetatha Samvidhan main Pradatt Adhikaron Ka Sanrakshan: Ek Avlokan, Mahila Vidhi Bharti, Vidhi Bharti Parishad New Delhi 2019, **ISSN No-** 0976-0024 Impact factor 6.25

b. Author **Prof. Sudarshan Verma,** Bharat main Samajik-Arthik Samantava Vanchint Valmiki Samaj, Nai Dishaein, National Human Right Commission of India. 2019, ISSN 0973-7588, 2019, 16th Vol.p.p. 139-149

ii. Dr. Sanjeev Kumar Chadha

a. Chadha, Sanjeev Kumar, First Author "The Trafficking of Women for Sexual Exploitation in India" Published in "International Journal of Higher Education and Research (IJHER)"Peer Reviewed, and UGC Approved Journal,Serial No. 48406, ISSN 2277 260 X, Volume 09, Number 02, Impact factor 5.425 (Cosmos Foundation, Berlin Brandenburg, Germany) Issue July 2019, Page 18 -27.

b. Chadha, Sanjeev Kumar, Second Author "Legal Education and Its Challenges in Indian Scenario," Published in "Indian Bar Review," ISBN 9788193198100, Volume 46 (4) Special Issue on "Continuing Legal Education and Clinical Legal Education" Peer Reviewed, and UGC Approved Journal, Serial No. 41332, issue Oct-Dec 2019, Page 307–321.

c. Chadha, Sanjeev Kumar, Second Author "Right to Education with Special Reference to Differently Abled Children in India : An Overview," Published in "Journal of Interdisciplinary Cycle Research," An UGC Care Approved Group – II Journal (Scopus Indexed Till 1993) Serial No. 21259, ISSN 0022 – 1945, Volume XII, Issue II, February 2020, Page No 992 – 1000.

d. Chadha, Sanjeev Kumar, First Author "White-Collar Crime: Conceptual Framework," Published in "Indian Bar Review," ISBN 9788193198100, Volume 47 (1) Special Issue on "White Collae Crime and Its Impact on The Society," Peer Rewiewed, and UGC Approved Journal, Serial No. 41332, issue Jan-March 2020, Page 333–343.

iii. Dr. Sufiya Ahmed

a. Ahmed, Sufiya, Ahmadi, Ashiya & Raza, Ali (2019) Tracing the Trend of Research on Surrogacy: A Scientometric Analysis with Ashiya Ahmadi and Ali Raza in SRELS Journal of Information Management, vol 56(2), April 2019, p. 106- 111 19.

b. Ahmed, Sufiya (2020), White Collar Crime and Intellectual Property: An Analysts of Copyright Infringment, Indian Bar Review, vol. 47(1), pp.169-179. 20.

c. Ahmed, Sufiya (2020), copyright Vidhi me uchitprayogka Sidhant, Sugandhi, no. 9, pp 34-40.

iv. Dr. Anis Ahmad

a. Anis Ahmad & Anil Kumar (2019) "Legislative Development Related to e-waste Management in India: An Analysis" AD VALOREM Journal of Law (An International Peer Reviewed Research Refereed Quarterly Journal) Vol: 06: Issue: II, Part-III April-June, Page No. 86-94

v. Dr. Pradeep Kumar

a. "Vridhjanon Ke Manav Adhikaron Ke Sanrakshan Ki Chunauti," Issue-16, 2019, Nai Deshaiyn, National Human Right Commission, New Delhi

b. Right to Education with Special Reference to Differently Abled Children in India: An Overview, Vol. XII, Issue II, February-2020, Journal of Inter Disciplinary Cycle Research, An UGC-CARE Approved Group-II Journal, An ISO: 7021-2008 Certificate Journal.

vi. Dr. Mujibur Rehman

a. MujiburRehman and Irshad Ahmad, "Clinical Legal Education in India: A Way Forward", Vol. 46 (4) 2019 (October-December 2019) ***INDIAN BAR REVIEW*** (A Referred Journal) ISBN 978-81-931981-0-0. Page No. 481-489.

b. Mujibur Rehman & Shubhyanka Rao, "White Collar Crime and It's Changed Dynamics" Vol. 47(1) 2020 (January to March 2020) ***INDIAN BAR REVIEW*** (A Referred Journal) ISBN 978-81-931981-0-0. Page No. 281-289

9. Attended/participated in Conferences/ seminar/workshop Inside Country

i. Prof. Sudarshan Verma

a. Participated in the national symposium on Human Rights in 21st Century: Sustainable Development Goals on 10th December, 2019 organized by DHR, BBAU.

b. Participatedand presented a paper on Dr. Ambedkar's idea of Socio-Economic Justice and Indian Constitution in the National Seminar on Indian Constitution and Social, Economic, and Political Justice: Issues & Challenges organized by Department of Law, BBAU on 26th Nov. 2019.

ii. Dr. Sanjeev Kumar Chadha

a. Participated in 8th International Library and Information Professionals Summit Organized by Department of Library Babasaheb Bhimrao Ambedkar Central University, Lucknow, held on 22nd-24th Nov 2019.

b. Presented a paper on "Gender Equality and Equal Opportunity for Social Economic Development of Women under Indian Constitution: A Critical Analysis" in the National Seminar on Indian Constitution and Social, Economic, and Political Justice: Issues & Challenges organized by Department of Law, BBAU on 26th Nov. 2019.

c. Presented a paper on "Public Ethics and Human Rights" in the National Symposium

on Human Rights Day, organized by Department of Human Rights, BBAU on 10th December 2019.

iii. Dr. Sufiya Ahmed

a. Presented a paper on Patriarchy, Women and Human Rights with reference to increasing crime of sexual violence in the national symposium on Human Rights in 21st Century: Sustainable Development Goals on 10th December, 2019 organized by DHR, BBAU.

b. Presented a paper on Ambedkar and Social Justice in the National Seminar on Indian Constitution and Social, Economic, and Political Justice: Issues & Challenges organized by Dl, BBAU on 26th Nov. 2019.

iv. Dr. Anis Ahmad

a. Participated in National Workshop on IPR Awareness Institute of Legal Studies, SRM University, Lucknow in association with CIPAM, Ministry of Commerce and Industry, GOI, 25th September, 2019.

v. Dr. Pradeep Kumar

a. Presented paper on "Intellectual Property in Agriculture in India" in National Seminar on Horticulture: A Boon For Indian Economy" on 31 Oct., 2019, organized by Department of Horticulture, School of Agricultural Science & Technology, Babasaheb Bhimrao Ambedkar University, Lucknow.

b. Presented paper on "Library and Its Importance in Legal Research" in 8th International Library and Information Professionals Summit" I-LIPS 2019 on 22nd-24th November, 2019, organized by DLIS, Babasaheb Bhimrao Ambedkar University, Lucknow.

c. Presented paper on "Accessibility of Quality Education: A Critical Review of Right to Education Act 2009" in National Seminar on Indian Constitution and Social, Economic, Political Justice: Issue & Challenges" on 26th November, 2019, organized by Department of Law, School of Legal Studies, Babasaheb Bhimrao Ambedkar University, Lucknow.

d. Presented paper on "The Role of Education in Achieving Sustainable Development Goals" in National Seminar on Human Rights in 21st Century: Sustainable Development Goals" on 10th December, 2019, organized by Department of Human Right, School of Legal Studies, Babasaheb Bhimrao Ambedkar University, Lucknow.

10. Details of invited lecture Inside the country

i. Dr. Sufiya Ahmed

Lecture delivered on "protection of Literary Work under Copyright Law in Digital Era" in 8th International Library and Information professional Summit held at BBAU during Nov. 22-24, 2019.

ii. Dr. Anis Ahmad

a. Lecture delivered on "Role of Arbitrator under Alternative Dispute Resolution System" on 09th May, 2019 at Institute of Legal Studies, SRM University, Lucknow.

b. Lecture delivered on"Protection of Plant Genetic Resources and Intellectual Property Law: International and National Perspective" in National Seminar on "Horticulture: A Boon for Indian Economy" organized by Department of Horticulture, School of Agricultural Science & Technology, BBAU, Lucknow.

11. Students Achievements

I. Faculty wise supervision of the Ph.D. Degree awarded

Faculty Name	Supervision of the Ph.D. Degree awarded
Dr. Pradeep Kumar	01

II. Faculty wise supervision of the student pursuing Ph.D. Degree

Teachers Name	Supervision of the studentpursuing Ph.D. Degree
Prof. SudarshanVerma	06
Dr. Sanjeev Kumar Chadha	04
Dr. Sufiya Ahmed	04
Dr. Anis Ahmad	05
Dr. Pradeep Kumar	03
Dr. MujiburRehman	03

III. Accomplishments of students

i. Number of student completed their masters/ graduation/Diplomaii.

ii. LL.M.-25, B.B.A. LL.B.(H)- 06

iii. Number of student selected in Civil Services (UPSC/UPPSC)-05

iv. Number of student pursuing higher studies- 07

v. Number of student awarded SLET/NET/ JRF/any other fellowship- 03

12. Details of the publications of the students (Books/Article/Books Chapter)

Students Name	Article Topics
Anil Kumar, Research Scholar	Legislative Development Related to E-Waste Management in India: An Analysis, Publisher, AD Valorem of Law
Irshad Ahmad, Research Scholar	Surrogacy in India: Administrative, Adjudicatory and Institutional Challenges, Published in Surrogacy & Art in India socio-Legal and Ethical Dilemma , Published by SatyamLaw International, New Delhi, Edition 2020, ISBN No. 978-93-87839-57-1, Page No. 155 to 179. "Clinical Legal Education in India: A Way Forward", Vol. 46 (4) 2019 (October-December 2019) ***INDIAN BAR REVIEW*** (A Referred Journal) ISBN 978-81-931981-0-0. Page No. 481-489.
Shubhyanka Rao, Research Scholar	"White Collar Crime and It's Changed Dynamics" Vol. 47(1) 2020 (January to March 2020) ***INDIAN BAR REVIEW*** (A Referred Journal) ISBN 978-81-931981-0-0. Page No. 281-289

CENTRE OF POST GRADUATE LEGAL STUDIES

Centre of Post Graduate Legal Studies was established under School for Legal Studies in 2013 started functioning from the session 2013-14 to offer One Year LL.M. Degree as per UGC Guidelines. The intake is 20. The teaching is done by the senior faculty members of Department of Human Rights and Department of Law under School for Legal Studies. Presently Three Group i.e. Constitutional law and Administrative Law, Corporate and Commercial Law and Intellectual Comparative Law are running in the Centre. The object of the course is to promote good academicians, corporate lawyers and Masters in International principles. The Students of the centre are also benefitted by the special lectures delivered by visiting faculties, guest faculties and internal faculties.

1. Course offered

One Year LL.M.

2. Facilities available in the Department like Department Library

i. Fully Wi-Fi connected Building

ii. One Classroom

iii. One Laptop and One projector

3. Details of faculty

Faculty of Dept. of Human Rights and Dept of Law

4. Co-curricular/Extra-curricular/sport Activities

Oath, Reading Book Program, योग प्रशिक्षक एवं स्वच्छता दिवस

5. Visitors of Department form inside the country (during 01/04/2019-31/03/2020)

Prof. R.P. Rai, Dean & Head, Law School, Banaras Hindu University Varansi.

6. Details related to Good Governance at the Department level to ensure transparency/ student participation/time bound result etc.

Women Cell Committee, Grievance Redressal Committee, Students Enrichment Cell and Anti-Ragging Committee

7. Students achievements

I. Faculty wise supervision of the Ph. D and M. Phil students/Dissertat ion and thesis submission/ degree awarded

Awarded				
Sr. No.	**Supervisor**	**Student's Name**	**Dissertation Title**	**Remarks**
1	Dr.S.K.Chada	Gaurav Awasthy	"Right to freedom of religion in India with reference to Sabrimala Case"	Degree Awarded
2	Dr.S.K.Chada	Shivam Kumar Gupta	"Lie Detector Test and it‟s admissibility in India "	Degree Awarded
3	Dr. Pradeep Kumar	Gaurav Kumar Gond	"Access and Benefit Sharing in Traditional Knowledge in India with special reference to Indigenous medicines"	Degree Awarded
4	Dr. Anis Ahmad	Qaseem Haider Naqvi	"Air pollution control policies and measures contemporary Issues"	Degree Awarded
5	Prof. Priti Saxena	Ved Prakash Dubey	"Foreign Direct Investment in India: New Trends and Challenges"	Degree Awarded
6	Prof. Priti Saxena	Ragini Kumari	" A Legal Study of Paradign Shift in Reservation with special reference to 103rd Constitutional Amendment Act 2019"	Degree Awarded
7	Prof. Preeti Misra	Prashant Kumar Tripathi	"Women Human Rights: A Comprehensive study of International and National Legal Instruments "	Degree Awarded
8	Prof. Priti Saxena	Siddharth	"A Legal Study of Election Laws in India"	Degree Awarded
9	Prof. Sudarshan Verma	Mahendra Pratap Singh	Compensation to Acid Victim	Degree Awarded
10	Dr. Anis Ahmad	Dhirendra Pratap Singh	"Public Interest litigation an instrument for social change" Doctrine of Equality within the special legal framework of social protectionto underprivileged class in Indian Democracy : Issue, challenges & solutions	Degree Awarded
11	Prof. S.D. Sharma	Anupam Verma		Degree Awarded
12	Dr. Pradeep Kumar	Subhanshu	Parallel Trail by Media and It ‟s Political Legal Implications"	Degree Awarded
13	Prof. Priti Saxena	Deepti Bharti	A study of Right to Freedom of Expression and Privacy in Digital age"	Degree Awarded
14	Prof. Priti Saxena	Taruna Reni Singh	"A study to Media law with reference to Media Trail in India"	Degree Awarded
15	Prof. Priti Saxena	Robert Halam	"LGBTQ – Comparative study an laws pertaining to same sex unions "	Degree Awarded

Session 2019-20				
Sr. No.	**Supervisor**	**Student's Name**	**Dissertation/ Project Title**	**Remarks**
1	Dr. Anis Ahmad	Anand Kumar	Water Governance And Water Laws In India	Working
2	Dr. Anis Ahmad	Shubham Nider	Environmental Governance and **Sustainable Development In India: A Legal Analysis**	Working
3	Dr. Anis Ahmad	Vijeta Meha	Recognition of The Rights of Transgender: A Judicial Trend	Working
4	Dr. Pradeep Kumar	Manoj Gautam	Naxalism, Fundamental Rights And Directive Principle and It‟s Solution	Working
5	Dr. Pradeep Kumar	Jitendra Kumar Verma	Anti-Defection Law In India: Study With Recent Development	Working
6	Prof. Preeti Misra	Shivangi Singh	Detection and Investigation of Cartels in India: A need for improving Leniency program	Working
7	Prof. Preeti Misra	Mayurika Chauhan	Domestic Violence Against Working Women	Working
8	Prof. Preeti Misra	Isha Chandra	Media Trial In India : A Legal Analysis	Working
9	Prof. Preeti Misra	Sakshi Verma	Reservation In Employment For Sc/St-A Critical Appraisal With Special Focus To Reservation In Promotion	Working
10	Prof. Priti Saxena	Bhanu Bajpai	One Nation, One Election: Assessing The Feasibility of Simultaneous Elections To The Lok Sabha And State Legislative Assemblies	Working
11	Prof. Priti Saxena	Ragita Nigam	A Juridical and Comparative Study of Euthanasia in India, Canada and Netherlands”	Working
12	Prof. Priti Saxena	Shreyash Agrawal	Citizen Surveillance Program With Reference To India And Jamaica: A Comparative Study Of Aadhaar and Nira	Working
13	Prof. Priti Saxena	Shubham Kumar Rai	A Study On Compensation To Victim Under Motor Vehicle Act, 1988	Working
14	Prof. Priti Saxena	Nisha Tiwari	Abrogation of Article 370 A Study Testing its Constitutionality on the Touchstone of Spirit of Democracy”	Working
15	Prof. Priti Saxena	Ranjana Gautam	भारत में लिव–इन–रिलेशनशिप का अध्ययन और विवाह एवं पारिवारिक संस्था पर इसका प्रभाव	Working
16	Dr. S.K. Chadha	Kartikey Singh	Article 370 : A Bridge Or A Hindrance	Working
17	Dr. S.K. Chadha	KamleshKumari	Anti -Terrorism Laws In India: A Critical Analysis	Working
18	Dr. S.K. Chadha	Shivani Ranjan	तीन तलाक का मुस्लिम समाज पर प्रभावः एक विधिक विश्लषण	Working
19	Dr. S.K. Chadha	Virendra Kumar Bhaskar	Freedom of Speech & Expression Need for Digital Regulation in Indian “Perspective““	Working
20	Dr. Sufiya Ahmed	Ashutosh Kumar Singh	Right To Privacy With Special Reference To Data Protection In India	Working
21	Dr. Sufiya Ahmed	Prabhat Dixit	Legal Issues And Challenges On Right To Die With Dignity: A Comparative Study Of	Working
22	Dr. Sufiya Ahmed	Nazneen Zafar	Fiscal Sovereignity Under International Taxation	Working
23	Prof. Sudarshan Verma	Deepali Yadav	“The Legal And Regulatory Aspects Of Genetically Modified Crops In India, U.S	Working

II. Number of students completed their Master/ Graduation/Diploma: Fifteen (15)

III. Number of student selected in civil services (UPSC/UPPSC):

Two (02) Students Ms. Shashiprabha Chaudhari andMs. Shipra Singh selected in **PCS (J) Civil Judge Junior Division U.P.**

IV. Number of students selected pursing higher studies:

Mr. Rakesh Chandra pursing Ph.d in Lucknow Univeristy

V. Number of students selected on other government jobs/banking/University teaching etc.

i. Ms. Taruna Reni Singh is teaching as a Assistant Professor in Rama University (Kanpur)

ii. Mr. Shivam Kumar Gupta is working in News Times Network agency as a Corporate Associate Post and

iii. Ms. Ragini Kumari is training in High Court of Jharkhand (Ranchi)

VI. Number of students awarded SLET/NET/JRF/ any otherfellowship

i. Student Ms. Ragini Kumari qualified UGC JRF and

ii. 11 Students qualified NET UGC in Law, Mr. Robert Halam, Ms. Taruna Reni Singh Mr. Gaurav Kumar Gond, Mr. Anupam Verma, Mr. Qaseem Haider Naqve, Mr. Siddarth, Dhirendra Pratap Singh, Ms. Parul Anand, Mr. Shubahm Nider, Ms. Shivangi Singh, Ms. Deepali Yadav (UGC NET)

SCHOOL OF PHARMACEUTICAL SCIENCES

The School of Biomedical & Pharmaceutical Scienceswas formed in 2018 with a motive of fostering interdisciplinary research for the benefit of society at large. It is an important interdisciplinary faculty in the University which aims at developing as a centre of excellence, especially in the present day era of knowledge explosion. The school is dedicated to studies and research on the state of the art areas of Pharmaceutical Sciences and the Microbiology.

1. Number of Departments

i. Department of Pharmaceutical Sciences

ii. Department of Environment of Microbiology

2. Number of faculty in each Department:

i. Department of Pharmaceutical Science: 06 (Six)

ii. Department of Environmen to Microbiology: 10 (Ten)

DEPARTMENT OF PHARMACEUTICAL SCIENCES

The Department of Pharmaceutical Sciences was established in 2010. It offers M.Pharm and Ph.D. programs in Pharmacology and Pharmaceutics. The permanent faculty members are well qualified and are experts in the field of Pharmaceutical Sciences to enable a holistic environment of learning. The Department is well equipped with state of the art infrastructure and equipments. The library has latest journals of pharmacy from reputed publishing houses like Wiley-Blackwell Springer-Verlag. Taylor & Francies and so on. Being placed at Lucknow, networking is possible with institutes like CSIR-CDRI, CSIR-CIMAP, SGPGIand so on. Alumni of the Department are placed in the industry, drug regulatory affairs, teaching and a host of other profiles. The Department has secured Extramural Research Grants from various funding Agencies like ICMR, UGC, SERB, DST and DBT of more than 3.5 crore.

1. Course Offered

i. M.Pharm (Pharmaceutics)

ii. M.Pharm (Pharmacology)

iii. Ph.D. (Pharmaceutics (started in 2012) & Pharmacology (started in 2013)

2. Facilities available in the Department

i. Pharmaceutics Lab I and II

ii. Pharmacology Lab I and II

iii. Pharmaceutical Analysis Lab

iv. Smart Class Rooms

v. Library

vi. Office

vii. Seminar Hall

viii. Computer Lab

3. Details of Faculty

i. Prof. Shubhini A. Saraf

Professor & Head, Department of Pharmaceutical sciences

Dean, SB & PS/School of Biomedical & Pharmaceutical sciences

Specialization : Pharmaceutics

Qualifications : M.Pharm., Ph.D.

ii. Dr. Gaurav Kaithwas

Associate Professor

Specialization : Pharmacology

Qualifications : M.Pharm., Ph.D.

iii. Dr. P.S Rajinikanth

Associate Professor

Specialization : Pharmaceutics

Qualifications : M.Pharm., Ph.D.

iv. Dr. Sudipta Saha

Assistant Professor

Specialization : Pharmacology

Qualifications : M.Pharm., Ph.D.

v. Dr. Vikas Mishra

Assistant Professor

Specialization: Pharmacology

Qualifications: M.Pharm., Ph.D.

vi. Dr. Sapana Kushwaha

Assistant Professor

Specialization: Pharmacology and Toxicology

Qualifications: M.S.(Pharm), Ph.D

4. Details of Seminar/Conference organized by the Department

Department of Pharmaceutical Sciences, BBAU, & SGPGI, Lucknow organized seminar conference/ workshop on topic Integration of Natural Health care systems & modern Science on 2nd & 3rd November-2019 in collaboration with Translational Biomedical Research Society.

5. Other Departmental level Academic Activities

State round of National Elocution Competition 2019 of Indian Pharmaceutical Associationin November, 2019.

6. Details of memorandum of Understanding signed with the national/foreign Institutions, if any

Memorandum of Understanding signed by CSIR-CDRI & Babasaheb Bhimrao Ambedkar, University, Oct 2019

7. Co-curricular/Extra-curricular/ Sports Activity by the Department

i. Cultural programs organized by students on various occasions like Teachers day, Welcome, Farewell etc; Plantation drive and blood donation camp during National Pharmacy Week (21st November 2019).

ii. Celebrated Rashtriya Swatch Bharat Abhiyan. Performed skit and conducted health awareness program on the occasion of National Pharmacy week at Junior High School, Aurangabad, Lucknow (21st November 2019).

iii. A Poster & Collage competition was organized on the theme "Bharat Ratna Dr. B.R Ambedkar and his contribution to India" on occasion 128th Birth Anniversary of Bharat Ratna Bhimrao Ambedkar (11th April 2019).

8. Visitors to the Department from inside the country during

i. Dr. Priyanka Bajaj, DST Inspire Faculty from CSIR-Institute of Microbial Technology has delivered talk on "Developing new Biocatalysts to solve pharmaceutical and environmental challenges" on 20th September 2019.

ii. Mr. Naveen Kumar and Mr. Rajendra were visted in the "Workshop on Particle Size Analysis", 23rd-24th Jan 2019.

9. Visitors to the Department from outside the country

Dr Pawan Sharma, Research Leader, Woolcock Institute of Medical Research, University of Sydney, Australia has delivered a talk on "Old Wine in a New Bottle: **Repurposing Existing Drugs for Asthma", on 13th** Aug 2019.

10. Members/fellowship of professional/ academic bodies/editorial board

i. Prof. Shubhini A.Saraf

a. Life Member, Indian Pharmaceutical Association (IPA)

b. Life Member, Indian Pharmaceutical Graduate Association (IPGA)

c. Life Member, Association of Pharmacy Teachers of India (APTI)

d. Life Member, Society of Pharma covigilance (India) (ISP)

e. Life Member, LASAI

f. Editorial Advisory Board Member, Current Drug Discovery Technologies

g. Editor in Chief, International Journal of Science, Technology & Society (A BBAU Journal)

ii. Dr. Gaurav Kaithwas

a. Association of Pharmacy Teachers of India: UPLM-126

b. Science Advisory Board, USA-Life Member: 101350

c. Laboratory Animal Science Association of India: Life Member

iii. Dr. P. S. Rajinikanth

a. Malaysian Pharmaceutical Society

b. Controlled Release Society, Malaysia Chapter

c. Tamilnadu Pharmacy Council

d. Indian Pharmaceutical Graduates association

iv. Dr. Vikas Mishra

a. Indian Academy of Neurosciences, INDIA-Life member since 2009

b. Society for Neurochemistry, INDIA-Life member since 2010

c. Indian Pharmacological Society, India-Life member since 2019

d. Translational Biomedical Research Society, India- Life member since 2019

e. Reviewer for-Neuroscience Journal, PLOS ONE Journal, Seizure: European Journal of Epilepsy, Neural Regeneration Research Journal

f. Guest Associate Editor/Review Editor : Frontiers in pharmacology, Frontiers in behavioural neuroscience, Frontiers in system neuroscience, Frontiers in neuroscience, Frontiers in psychiatry, Frontiers in neurology

g. Associate editor for BBAU Internal Journal-International Journal of Science, Technology & Society (IJSTS)

v. Dr. Sapana Kushwaha

a. Society for Toxicology (STOX), India

b. Society for Toxicology (SOT), USA

c. Indian Pharmacological Society (IPS), India

d. Editor, International Journal of Science, Technology and Society (A BBAU Journal)

11. Details of Book written/edited by faculty members

Dr. P. S. Rajinikanth

i. Sneha Anand and Rajinikanth PS, Alginate based nanomaterials in drug delivery applications Biopolymer based nanomaterials in drug delivery and biomedical applications, 1st edition Elsevier, 2020 (Book)

Dr. Vikas Mishra

i. Mitochondria and Endoplasmic Reticulum in Parkinson's Disease, Edited by : Sandeep Kumar Barodia, Krishnan Prabhakaran, Smitha Karunakaran, Vikas Mishra and Victor Tapias, Published By: Frontiers in Neuroscience, Year-2020

Dr. Sudipta Saha

i. Biopolymer-Based Nanomaterials in Drug Delivery and Biomedical Applications. S. Saha*, H Bera, CM Hossain. ISBN: 9780128208748. Publisher: Academic Press, Elsevier, 2020 (Book)

12. Details of Book Chapter in edited volume

Prof. Shubhini A. Saraf

i. Ocular Drug Delivery Systems, 2018, in the book *In-Vitro* and *In-Vivo* Tools in Drug Delivery Research for Optimum Clinical Outcomes CRC press, Taylor & Francis Group

Dr. Sudipta Saha

i. Bioactive and drug-delivery potentials of polysaccharides and their derivatives in Polysaccharide Carriers for Drug Delivery. **S Saha**, AK Singh, AS Bhadauria, P Kumar, H Bera. ISBN 9780081025543. Elesvier, (2019).

13. Paper published during the year by the faculty members

Prof. Shubhini A. Saraf

i. Tripathi CB, Parashar P, Arya M, Singh M, Kanoujia J, Kaithwas G**, Saraf SA**, "Biotin anchored nanostructured lipid carriers for targeted delivery of doxorubicin in management of mammary gland carcinoma through regulation of apoptotic modulator", ***Journal of Liposome Research,* 2020** Mar; 30(1): 21-36.

ii. Parashar P, Mazhar I, Kanoujia J, Yadav A, Kumar P, Saha S**, Saraf SA**, "Appraisal of anti-gout potential of colchicine-loaded chitosan nanoparticle gel in uric acid-induced gout animal model", ***Archives of Physiology and Biochemistry***, **2019** Dec 18:1-11.

iii. Mishra N, Arya M, Gupta KP, **Saraf SA**, " Optimiza tion of Inositol Hexaphosphate Colon Targeted Formulation for Anticarcinogenic Marker Modulation", ***AAPS Pharm Sci Tech***, **2019** Oct 22; 20(8): 319.

iv. Pal RR, Parashar P, Singh I, **Saraf SA**, "Tamanu oil potentiated novel sericin emulgel of levocetirizine: repurposing for topical delivery against DNCB-induced atopic dermatitis, QbD based development and *in vivo* evaluation", ***Journal of Microencapsulation, 2019*** Aug; 36(5): 432- 446.

v. Yadav RK, Tripathi CB, **Saraf SA**, Ansari MN, Saeedan AS, Aldosary S, **Rajinikanth PS**, **Kaithwas G**, "Alpha-linolenic acid based nano-suspension protect against lipopolysaccharides induced mastitis by inhibiting NFºBp65, HIF-1±, and mitochondria-mediated apoptotic pathway in albino Wistar rats", ***Toxicology and Applied Pharmacology*, 2019** Aug 15; 377: 114628.

vi. Parashar P, Rana P, Dwivedi M, **Saraf SA**, "Dextrose modified bilosomes for peroral delivery: improved therapeutic potential and stability of silymarin in diethylnitrosamine-induced hepatic carcinoma in rats", ***Journal of Liposome Research***, **2019** Sep; 29(3): 251-263.

vii. R Nisha, P Kumar, AK Gautam**,** H Bera, B Bhattacharya, P Parashar, SA Saraf, **S Saha***. Assessments of *in vitro* and in vivo antineoplastic potentials of ²-sitosterol-loaded PEGylated niosomes against hepatocellular carcinoma. ***Journal of Liposomal Research*, Accepted manuscript, 2020**

viii. Namrata Singh, Samipta Singh, Priyanka Maurya, Malti Arya, Farheen Khan, Deepa H Dwivedi and Shubhini A Saraf, An updated review on Physalis peruviana fruit: Cultivational, nutraceutical and pharmaceutical aspects, *Indian Journal of Natural Products and Resources*, 10(2), June 2019, pp 97-110

ix. Suryawanshi **R,** Kanoujia J, Parashar P, Saraf SA, Sericin: A Versatile Protein Biopolymer with Therapeutic Significance, *Current Pharmaceutical Design*, 2020, accepted manuscript

Dr. Gaurav Kaithwas

i. Roy S, Singh M, Rawat A, Kumar D, **Kaithwas G**, "Mitochondrial apoptosis and curtailment of hypoxia-inducible factor-1±/ fatty acid synthase: A dual edge perspective of gamma linolenic acid in ER+ mammary gland cancer", ***Cell Biochemistry and Function***, **2020** Mar 23.

ii. Yadav RK, Singh M, Roy S, Gautam S, Rawat JK, Singh L, Ansari MN, Saeedan AS, **Kaithwas G,** "Short communication: Evaluation of ±-linolenic acid-based intramammary nanosuspension for treatment of subclinical mastitis", ***Journal of Dairy Science***, **2020** Mar; 103(3): 2701-2706.

iii. Arya P, **Kaithwas G**, "Combined therapy of gabapentin with pantoprazole exhibited better protective action against forestomach and pylorus ligation-induced gastric esophageal reflux disease in albino Wistar rats", **Human and Experimental Toxicology**, **2020** Apr; 39(4): 492-499.

iv. Singh M, Kasna S, Roy S, Aldosary S, Saeedan AS, Ansari MN, **Kaithwas G**, "Repurposing mechanistic insight of PDE-5 inhibitor in cancer chemoprevention through mitochondrial-oxidative stress intervention and blockade of DuCLOX signalling"***BMC Cancer***, **2019** Oct 24;19(1):996.

v. Rawat JK, Roy S, Singh M, Guatam S, Yadav RK, Ansari MN, Aldossary SA, Saeedan AS, **Kaithwas G**, "Transcutaneous Vagus Nerve Stimulation Regulates the Cholinergic Anti-inflammatory Pathway to Counteract 1, 2-Dimethylhydrazine Induced Colon Carcinogenesis in Albino wistar Rats", ***Frontiers in Pharmacology***, **2019** May

21; **10:** 353.

vi. Devi U, Singh M, Roy S, Tripathi AC, Gupta PS, **Saraf SK**, Ansari MN, Saeedan AS, **Kaithwas G**, "PHD-2 activation: a novel strategy to control HIF-1± and mitochondrial stress to modulate mammary gland pathophysiology in ER+ subtype", *Naunyn Schmiedebergs Archives of Pharmacology*, **2019** Oct; 392**(10):** 1239-1256.

vii. Devi U, Singh M, Roy S, Gupta PS, Ansari MN, Saeedan AS, **Kaithwas G**, "Activation of prolyl hydroxylase-2 for stabilization of mitochondrial stress along with simultaneous downregulation of HIF-1±/FASN in ER + breast cancer subtype",***Cell Biochemistry and Function***, **2019** Jun; 37(4): 216-227.

viii. Roy S, Singh M, Sammi SR, Pandey R, **Kaithwas G**, "ALA-mediated biphasic downregulation of ±-7nAchR/HIF- 1 ± along with mitochondrial stress modulation strategy in mammary gland chemoprevention", ***Journal of Cellular Physiology***, **2019** Apr; 234(4): 4015-4029.

Dr. P.S. Rajinikanth

i. Kumarappan C, Cine Mathew J, Sunil christu D, **Rajinikanth PS**, "Modulation of glucose transporter proteins by polyphenolic extract of Ichnocarpus frutescens (L.) W. T. Aiton in experimental type 2 diabetic rats", *Indian Journal of Experimental Biology*, **2020**, 58(1): 172-180.

ii. Kumar M and **Rajinikanth PS**, "A Mini- Review on HER2 Positive Breast Cancer and its Metastasis: Resistance and Treatment Strategies", ***Current Nanomedicine***, **2020**, 10(1): 1-10.

iii. Subramanian P, **Rajnikanth PS**, Kumar M, Chidambram K, "In-Vitro and In- Vivo Evaluation of Supersaturated Self- Nanoemulsifying Drug Delivery System (SNEDDS) for Dutasteride", ***Current drug delivery***, **2020**, 17(1): 74-86.

iv. Chidambaram K, **Rajinikanth PS,** Venkatesh K, Dharmalingam S, Sellpan T, "In-vitro inhibitory effect of polyphenolic extract of Ichnocarous Frutescens on carbohydrarate digestive enzymes", ***Advances in Pharmacology and Pharmacy***, **2019**, 7(1): 14-21.

v. Kumar M, Shanthi N, Mahato AK, Soni S, **Rajnikanth PS**, "Preparation of Luliconazole nanocrystals for improvement of dissolution and antifungal activity", ***Heliyon, 2019*** May 11; 5(5):e01688.

Dr. Sudipta Saha

i. Kumar P, Gautam AK, Kumar U, Bhadauria AS, Singh AK, Kumar D, Mahata T, Maity B, Bera H, **Saha S.**, "Mechanistic exploration of the activities of poly (lactic-co-glycolic acid)-loaded nanoparticles of betulinic acid against hepatocellular carcinoma at cellular and molecular levels", ***Archives* of Physiology and Biochemistry**, **2020** Mar **6:** 1-13.

ii. S Chakrabarti, A Pramanik, **S Saha**, AR Chaudhuri, M Das. A Stewart, B Maity. Biphasic changes in TGF-²1 signaling drive NSAID-induced multi-organ damage. **Free Radical Biology and Medicine, 2020, 160:** 125-140.

iii. V Raj, MH Aboumanei, A Rai, SP. Verma, AK. Singh, AK Keshari, **S Saha**. Pharmacophore and 3d-Qsar Modeling of new 1, 3, 4-Thiadiazole Derivatives: Specificity to Colorectal Cancer. **Pharmaceutical Chemistry Journal, 2020,** 54, 12–25.

iv. R Nisha, P Kumar, AK Gautam**,** H Bera, B Bhattacharya, P Parashar, SA Saraf, **S Saha***. Assessments of in vitro and in vivo antineoplastic potentials of ²-sitosterol-loaded PE Gylated niosomes against hepatocellular carcinoma. **Journal of Liposomal Research, Accepted manuscript, 2020**

v. Singh AK, Bhadauria AS, Kumar U, Raj V, Rai A, Kumar P, Keshari AK, Kumar D, Maity B, Nath S, Prakash A, **Saha S**, "Novel Indole-fused benzo-oxazepines (IFBOs) inhibit invasion of hepatocellular carcinoma by targeting IL-6 mediated JAK2/STAT3 oncogenic signals", ***Scientific Reports***, **2020** Feb 6; **10(1):** 2391.

vi. Basak M, Mahata T, Chakraborti S, Kumar P, Bhattacharya B, Bandyopadhyay SK, Das M, Stewart A, **Saha S**, Maity B, "Malabaricone C Attenuates Nonsteroidal Anti-Inflammatory Drug-Induced Gastric Ulceration by Decreasing Oxidative/Nitrative Stress and Inflammation and Promoting Angiogenic Autohealing", ***Antioxidant***

***and Redox Signaling,* 2020** Apr 10; **32(11):** 766-784.

vii. A Kumar P, Agarwal A, Singh AK, Gautam AK, Chakraborti S, Kumar U, Kumar D, Bhattacharya B, Panda P, Saha B, Qidwai T, Maity B, **Saha S,** "Antineoplastic properties of zafirlukast against hepatocellular carcinoma via activation of mitochondrial mediated apoptosis", ***Regulatory Toxicology and Pharmacology***, **2019** Dec; 109: 104489.

viii. Maurya V, Kumar P, Chakraborti S, Singh AK, Bhadauria AS, Kumar U, Kumar D, Pramanik A, Saha B, Kumar R V, Gosipatala SB, Bhattachariya B, Maity B, **Saha S**, "Zolmitriptan attenuates hepatocellular carcinoma via activation of caspase mediated apoptosis",*Chemico-Biological Interaction*, **2019** Aug 1; **308:** 120- 129.

ix. Raj V, Bhadauria AS, Singh AK, Kumar U, Rai A, Keshari AK, Kumar P, Kumar D, Maity B, Nath S, Prakash A, Ansari KM, Jat JL, **Saha S**, "Novel 1, 3, 4-thiadiazoles inhibit colorectal cancer via blockade of IL-6/COX- 2 mediated JAK2/STAT3 signals as evidenced through data-based mathematical modelling", ***Cytokine***, **2019** Jun; **118:** 144-159.

Dr. Vikas Mishra

i. Barodia SK, Prabhakaran K, Karunakaran S, **Mishra V**, Tapias V. "Editorial: Mitochondria and Endoplasmic Reticulum Dysfunction in Parkinson's Disease", **Frontiers in Neurosciences**, **2019** Nov 8; **13:** 1171.

ii. Krystle Trosclair , Hemangini A Dhaibar, Nicole M Gautier, **Mishra V**, "Neuron-specific Kv1.1 deficiency is sufficient to cause epilepsy, premature death, and cardiorespiratory Dysregulation", **Neurobiology Disease, 2020** Apr; **137:** 104759.

iii. Rehman M, Agarwal V, Sharma K, **Mishra V.,** "Epigenetic Regulation in Mesial Temporal Lobe Epilepsy Associated with Hippocampal Sclerosis", **Neurology India 68: 314-5. (2020)**

Dr. Sapana Kushwaha

i. Pal S, Mittapelly N, Husain A, **Kushwaha S**, Chattopadhyay S, Kumar P, Ramakrishna E, Kumar S, Maurya R, Sanyal S, Gayen JR, Mishra PR, Chattopadhyay N, "A butanolic fraction from the standardized stem extract of Cassia occidentalis L delivered by a self-emulsifying drug delivery system protects rats from glucocorticoid-induced osteopenia and muscle atrophy", **Scientific Reports**, 2020 Jan 13; **10(1):** 195.

ii. Gurjar AA†, **Kushwaha S†**, Chattopadhyay S†, Das N†, Pal S, China SP, Kumar H, Trivedi AK, Guha R, Chattopadhyay N, Sanyal S, "Long acting GLP-1 analog liraglutide ameliorates skel etal muscle atrophy in rodents", **Metabolism**, 2020 Feb; **103:** 154044. (†Equal authorship)

iii. Kumar H, Chattopadhyay S, Das N, Shree S, Patel D, Mohapatra J, Gurjar A, **Kushwaha S**, Singh AK, Dubey S, Lata K, Kushwaha R, Mohammed R, Dastidar KG, Yadav N, Vishwakarma AL, Gayen JR, Bandyopadhyay S, Chatterjee A, Jain MR, Tripathi AK, Trivedi AK, Chattopadhyay N, Ramachandran R, Sanyal S, "Leprosy drug clofazimine activates peroxisome proliferator-activated receptor-^{3} and synergizes with imatinib to inhibit chronic myeloid leukemia cells", **Haematologica**, 2020; **105(4):** 971-986

14. Attended/Participated in conference/seminar/ workshop inside country

Dr. Gaurav Kaithwas

i. **Dr. Gaurav Kaithwas a**ttended faculty development programme on "Herbal Nano-Pharmacology" organized by KIET Group of Institutions and Sponsored by A.P.J Abdul Kalam Technical University, Lucknow, India. (15th-19th **July, 2019)**

ii. **Dr. Vikas Mishra** attended and chaired the session in conference "Integration of Natural Healthcare Systems and Modern Science: Potential Merits and Future Roadmap", Nov 2nd-3rd, 2019, conducted by TBRS 2019, BBAU, Lucknow (U.P.)

iii. **Dr. Sapana Kushwaha** attended Online SWAYAM Refresher Course in Pharmacy for Higher Education organized by National Resource Centre (NRC) of Pharmacy at the Department of Pharmaceutical Engineering and Technology, Indian Institute of Technology (BHU), Varanasi, under ARPIT- 2019, MHRD, Government of India. 12 weeks (18th Oct 2019 to 15th Jan 2020)

15. Details of invited lecture inside the country

i. **Prof. Shubhini A. Saraf** delivered invited lecture on "Strengthening and enabling ethical research and writing" in one week workshop on research methodology at BBAU, Lucknow (22nd-26th May 2019).

ii. **Prof.Shubhini A. Saraf** delivered invited lecture on "3D Printing Technology become an Innovative Prospect for Pharmaceutical Industries in Drug Delivery System" in a Faculty Development Program (FDP) organized Dr. APJ Abdul Kalam Technical University (12th February 2020).

iii. **Dr. Gaurav Kaithwas** deliveredinvited lecture on "Effect of plant lipids based nanosuspension on preclinical and clinical mastitis" in faculty development program organized by KIET group of Institution, Ghaziabad, GBT University (2019).

iv. **Dr. Vikas Mishra** delivered invited lecture on "Application of molecular biology tools in pharmaceutical research and drug discovery" in a workshop on 'Drug Design & Drug Discovery' organized by IFTM University Moradabad, U.P (August 14, 2019).

16. Details of National Award/fellowship

Dr. Gaurav Kaithwas

i. Research and Academic Excellence Award (2019) "Life Sciences and Environmental Sciences" Babasaheb Bhimrao Ambedkar University, Lucknow.

ii. Award of appreciation for the work "Modulating Prolyl Hydroxylase (PHD2) activity to alter glycolytic pathway and fatty acid synthase expression in tumor cells" Cancer Research Foundation, India, 2020.

17. Details of International Awards/Fellowship

Prof Shubhini A. Saraf

Best Pharmaceutics Research Paper Award entitled "Hyaluronic Acid Decorated Naringenin Nanoparticles: Appraisal of Chemopreventive and Curative Potential for Lung Cancer, by Pharmaceutics (MDPI) Journal, 2019. Research group: Poonam Parashar, Meena Rathor, Monika Dwivedi and **Shubhini A. Saraf**. This award consists of a certificate and 500 Swiss Francs.

Dr. Sapana Kushwaha

Received **IUTOX Travel Award, 2020** to attend Society of Toxciology (SOT), 59th Annual Meeting and ToxExpo, USA (15 March, 2020 to 19th March, 2020) by International Union of Toxicology (IUTOX).

Received **International Travel Support** (ITS/2020/000023) grant by Science and Engineering Research Board (SERB), Govt. of India to attend SOT 59th Annual Meeting and ToxExpo, USA (15th March, 2020 to 19th March, 2020). *(Couldn't avail due to COVID19 Pandemic)*

18. Details of Research projects (Major and Minor)

Prof Shubhini A Saraf

i. **Title of the project:** Development and characterization of inositol of hexaphosphate nanoparticals for targeted drug delivery to colon for deterrance of preneoplastic damage and cancer therapy.

Duration: 3 years (17-05-2017 to 16.06.2020)

Amount sanctioned: Rs 26,00000/-

Funding Agency: Indian Council of Medical Research (ICMR)

Dr. Gaurav Kaithwas

i. **Title of the project:** Extraction, Purification and Formulation of É-3 PUFAs Dosage Form Derived from Plant Sources as a Health Supplement: A Replacement Strategy for Marine Based PUFAs. **Duration:**3 Years (17-12-2018 to 16-12-2021)

Amount sanctioned: Rs.60,35,200/-

Funding Agency: Ministry of Food Processing Industries (MOFP)

ii. **Title of the project:** Prolylhydroxylase2 (PHD2) mediated stabilization of HIF-1± to regulate glycolysis and fatty acid synthesis in mammary gland chemoprevention. Duration: 3 years; Dated: (12-07-2018- 11.07.2021) Rs.46,61,000/- Science and Engineering Research Board (SERB)

iii. **Title of the project:** Formulation of É-3 PUFA's dosage-form derived from natural sources as a health supplement: A replacement strategy for marine based PUFA's. **Duration :** 3 Years (First Installment Awaited)

Amount sanctioned: Rs.70,10,000/-

Funding Agency: Department of Science and Technology (DST)

iv. **Title of the project:** A comprehensive strategy to study the transcriptional activity of HIF-1 through on C-terminal transactivation and N-terminal transactivation domain (Mentor: Dr. Gaurav Kaithwas)

Duration: 2 Years (20.01.2020 to 19.01.2022)

Amount sanctioned: Rs. 19,97,600/-

Funding Agency: Department of Health Research (Young Scientist Program- Dr. Shyam S. Gupta)

v. **Title of the project:** RNAi application and SiRNA formulation in hypoxia inducible factor-1: Treatment for Cancer Therapeutics (Mentor : Dr. Gaurav Kaithwas) **Duration:** 3 Years (12.03.2020 to 11.03.2023)

Amount sanctioned: Rs. 20,22,720/-

Funding Agency: Indian Council for Medical Research (Research Associate- Dr. Richa Anand)

Dr. Sudipta Saha

i. **Title of the project:** In vitro Hepatoprotective and anticancer activity and *in vivo* pharma cokinetics studies of Betulinic acid nanoparticles. **Duration:** 3 years (09.02.16 to 08.02.19)

Amount sanctioned: Rs. 25,58,600/-

Funding Agency: Science and Engineering Research Board (SERB)

Dr. P S Rajinikanth

i. **Title of the project:** Silk protein - biomaterial based nanofibrous scaffold containing deferoxamine and ferulic acid for rapid healing of diabetic foot ulcer.

Duration: 3 years (13-11-20l9 to 12.11.22)

Amount sanctioned: Rs.29,12,800/-

Funding Agency: Science and Engineering Research Board (SERB)

ii. **Title of the project:** Trastuzumab and iRGD decorated dual targeted liposomes for targeted delivery of Lycorine and Gefitinib for HER2 Positive Breast Cancer and its Brain Metastasis".

Duration: 3 years(19-12-2019 to 18-12-22)100 101

Amount sanctioned: Rs. 51,15,240/-

Funding Agency: Science and Engineering Research Board (SERB)

Dr. Vikas Mishra

i. **Title of the project:** Role of central pro-inflammatory cytokines in modulating cardiac function and EEG-ECG interaction dynamics in chronic stress date:

Duration: 2 years (28.4.19 to 27.4.21)

Amount sanctioned: Rs. 1000000/-

Funding Agency: University Grants Commission (UGC)

Dr. Sapana Kushwaha

i. **Title of the project:** Identifying the potential role of Angiotensin Receptor Blockers in sarcopenia of aging and disuse muscle atrophy,

Duration: 2 years (13.11.20l9 to 12.11.21) **Amount sanctioned:** Rs. 3020402/-

Funding Agency: Science and Engineering Research Board (SERB)

ii. **Title of the project:** Mechanistic study of skeletal muscle loss in diabetic rat: Pharmacological / Nutraceutical Intervention(s).

Duration: 2 years (28.04.19 to 27.04.21) **Amount sanctioned:**Rs. 1000000/-

Funding Agency: University Grants Commission (UGC)

19. Details of Patents filed/Awarded

Prof. Shubhini A. Saraf

i. AK Singh, **S Saha**, AK Kesari, SA Saraf, D Kumar, A Prakash, **"Indolo Fused Pyrido-oxazepine and its derivatives for the Treatment of Hepatocellular Carcinoma"** Indian Patent Application (2016), Number: 201611016493. Reply to First Examination report (FER) Submitted in Feb 2020

ii. K Srivastava, P Maurya, P Parashar, **SA Saraf,** "Preparation Of Herbal Nutraceutical to Treat malnutrition/Under nutrition In Tuberculosis Patients

Using Moringa oleifera Granules" Application Number: 202011011874, Publication Date : 27/03/2020

Dr. Gaurav Kaithwas

i. Rajnish K Yadav, **Gaurav Kaithwas**, "Alpha Linolenic acid based nanosuspension for treatment of bovine mastitis" Application No. 20191103265, Dated: 13.08.2019 (Publication awaited)

ii. **G Kaithwas**, Daksh Bhatia 'Perilla Frutesscens Fixed oil: Efficacy against Bovine Mastitis" Application No. 560/DEL/2013. Application No. 560/DEL/2013. Date: 27.02.2013 (Reply to FER Submitted in Aug 2019)

iii. **Gaurav Kaithwas**, Nikhilesh Kumar, Mahendra Singh, Ram Naresh Bharagava "Disinfecting and cleansing composition of *L. usitattissimum* Fixed oil. Application No. 1905/DEL/2013. Date: 27.06.2013 (Reply to FER Submitted in Dec 2019)

Dr. Sudipta Saha

i. AK Kesari, **S Saha**, AK Singh, V Raj, A Rai. **5H-benzo[h]thiazolo[2,3-b]quinazolines containing nitrogen bridgehead as an anti-hepatocellular carcinogenic agen**t, Indian Patent Application (2016), Number 201611032810. **(Awarded on 20.05.2020, number 337160)**

ii. AK Singh, **S Saha**, AK Kesari, SA Saraf, D Kumar, A Prakash, **"Indolo Fused Pyrido-oxazepine and its derivatives for the Treatment of Hepatocellular Carcinoma"** Indian Patent Application (2016), Number: 201611016493. Reply to First Examination report (FER) Submitted in Feb 2020

iii. AK Singh, **S Saha**, AK Keshari, V Raj, A Rai, P Kumar. **5H-benzo[2,3][1,4] thiazepino-1-[5,6-b]indoles for the treatment of liver cancer**. Indian Patent Application (2017), Number 201711026168. (Evaluation ongoing)

iv. AK Kesari, **S Saha**, "**Process for preparing indeno[1,2-d]thiazolo[3,2-a]pyrimidine containing nitrogen-bridgehead**". Indian Patent Application (2017), Number 202011029363. (Evaluation ongoing)

Dr. Sapana Kushwaha

Naibedya Chattopadhayay, Subhashis Pal, Sudhir Kumar, Ramakrishna Eppalapally, Padam Kumar, **Sapana Kushwaha,** Jiaur Rahaman Gayen, Riyazuddin Mohammed, Sabyasachi Sanyal, Anagha Gurjar, Prabhat Ranjan Mishra, Naresh Mittapelly,Kamal Ram Arya, Brijesh Kumar, Srikanta Rath, Arun Kumar Trivedi, Maurya Rakesh, "Bioactive extract fraction of *Cassia ocidentalis* and formulation thereof for bone regeneration" US Patent Application no. 16/434323, Date: 12/12/2019 (FER awaited)

20. Details related to good Governance at the Department level to ensure transparency/ student participation/time bound result etc.

Despite the COVID-19 pandemic, our students finished their exams in first week of august and the new session for the final year started on time, with online classes.

21. Students Achievements

i. **Ms. Samipta Singh**, PhD Scholar of Prof Shubhini A. Saraf has been selected for AWSAR Award. Her popular science story entitled "The Nanoparticulate Beauty and the Cancerous Beast" has been selected for this Award. Augmenting Writing Skills for Articulating Research (AWSAR) is an initiative that aims to disseminate Indian research stories by Department of Science and Technology (DST), India.

ii. **Ms. Priyanka Maurya** Ph. D. Scholar of Prof Shubhini A. Saraf has won 3rd Prize in oral Presentation in the Symposium held at the NIPER-Raebareli Lucknow

iii. **Mr. Monu Kumar Kashyap**, M.Pharm student of Dr. Sapana Kushwaha has won best poster award certificate for research work entitled "Evaluation of piperine as a potential antifibrotic agent against CCl4–induced rat liver fibrosis" in National Symposium on Integration of Natural Healthcare Systems and Modern Science: Potential Merits and Future Roadmap organized by Translational Biomedical Research Society (TBRS), India, (November 2nd to 3rd, 2019).

iv. **Ms. Itishree Dubey (M. Pharm)** has been offered training internship for a period of 9-12 monthin CSIR-IMTECH, Chandigarh under the one year internship program in year 2019.

I. Accomplishment of the students

Number of students completed their Masters/graduation/Diploma	Masters	24
Number of Student selected in Civil Services		NA
Number of student pursuing higher studies	09	
Number of student selected on other government jobs/banking/school teaching etc	Govt Job	03
	Teaching	08
	Job	06
	Projects	3
Number of Students placed through campus interview	**05**	
Number of student awarded SLET/NET/JRF/any other fellowship	13 (GATE/GPAT fellowship) 3 UGC-NET	

II. Any other special achievements recorded by the students:

i. **Dr. Shubhadeep Roy**, Ph.D Research Scholar of Dr. Gaurav Kaithwas has been offered a postdoctoral fellowship at Heart and Vascular Institute of Pennsylvania State University, USA

ii. **Dr. Ashok Singh**, Ph.D Research Scholar of Dr. Sudipta Saha has been offered a postdoctoral fellowship at Penn State University, USA

iii. **Dr Dhananjay Kumar Singh,** has been appointed as Post doctoral researcher at Linkoping University, Sweden

iv. **Dr. Manjari Singh**, Ph.D Research Scholar of Dr. Gaurav Kaithwas has been appointed as Assistant Professor in Central University of Assam.

v. **Mr. Mahendra Singh**, Ph.D. Scholar of Prof. Shubhini A. Saraf has been selected as a top five candidates of Rajnibhai V

III. Faculty wise Supervision of the Ph.D. and M. Phil Students/Dissertation and thesis submission/degree awarded

S.N.	Scholar Name	Mentor	Thesis title	Fellowship
1.	PriyankaMaurya	Prof. Shubhini A. Saraf	Formulation and Development of Surface Functionalized Hybrid Nanoparticles for Alveolar Macrophage Targeting	UGC NonNET
2.	Samipta Singh	Prof. Shubhini A. Saraf	Development and Characterization of Breast Tumor Specific Surface–functionalized Nanoformulation	UGC NonNET
3.	Ravi Raj Pal	Prof. Shubhini A. Saraf	Optimization of Molecular Target Oriented Nanoparticles for Amelioration of Chronic Inflammatory Diseases	UGC NonNET
4.	RaquibunNisha	Prof. Shubhini A. Saraf	Formulation and Development of Nanotherapeutics System Utilizing Surface-engineered Approach for Cancer Cell Specificity	UGC NonNET
5.	Neelu Singh	Prof. Shubhini A. Saraf	Fabrication and Characterization of Receptor Mediated Nanocarrier(s) for the Treatment of Inflammatory Arthritis	UGC NonNET
6.	Nidhi Mishra	Prof. Shubhini A. Saraf	Formulation and Appraisal of Nano Drug Delivery System(s) of Bioactive Compounds for Enhanced Antineoplastic Potential	DST INSPIRE
7.	Alka	Prof. Shubhini A. Saraf	Development and assessment of biodegradable/ bioresorbable polymeric topical scaffolds for wound management	UGC NonNET

8.	Priya Singh	Prof. Shubhini A. Saraf	Design and Evaluation of Nanotherapeutic System(s) for Management of Hormone Receptor-Positive Breast Cancer	DST INSPIRE
9.	Lakhveer	Dr. GauravKaithwas	Upregulating PHD2 Activity to Downregulate HIF-1 And Subsequently FASN in Mammary Gland Carcinoma **(Thesis Submitted)**	UGC NonNET
10.	Soniya Rani	Dr. GauravKaithwas	Elaborate the Transcriptional Activity of HIF-1 α (Hypoxia-Inducible Factor-1 α) through C-Transactivation Domain (C-TAD) in Cellular Hypoxia	ICMR-SRF
11.	Shubham Rastogi	Dr. GauravKaithwas	Chemical Induction and Role of Prolylhydroxylase-2(PHD2) toInhibit HIF-1α Mediated Glycolysis, Fatty Acid Synthesis and Angiogenesis	DST INSPIRE
12.	Pranesh Kumar	Dr. SudiptaSaha	Enhancement of oral biovailability and antiproliferative potential of betulinic acid by PLGA loaded nanoparticle approach**(Thesis Submitted)**	DST Inspire
13.	ArchanaSonkar	Dr. SudiptaSaha	Amiliorative effect of 5H-benzo[h] thizolo [2,3-b] quinazoline and indeno [1,2-d] thiazolo [3,2-a] pyrimidine analogues against urethane induced lung carcinoma in albino wistar rats.	UGC NonNET
14.	Shweta Jaiswal	Dr. P.S Rajinikanth	Formulation and Evaluation of Ligand-Nanocarriers Targeted Delivery for Enhanced Cardiovascular Therapy	UGC NonNET
15.	Sunita Thakur	Dr. P.S Rajinikanth	Preparation and Evaluation of Nanocarrier Based Drug Delivery for the Treatment of Psoriasis	UGC NonNET
16.	Payal Deepak	Dr. P.S Rajinikanth	Ligand based nanocarrier therapy for Hepatocellular carcinoma (HCC)	UGC Non NET
17.	Sneha Anand	Dr. P.S Rajinikanth	Development and Evaluation of Biomaterial based Nanofibrous Scaffold for Diabetic Wound Healing	UGC NonNET
18.	Prashant Pandey	Dr. P.S Rajinikanth	Development of multifunctional Nanocarrier for codelivery of an optimaldrug and therapeutic gene to overcome resistance in Brain Metastasis.	UGC NonNET
19.	Dilip KumarArya	Dr. P.S Rajinikanth	Trastuzumab and iRGD decorated dual targeted liposomes for targeted delivery of Lycorine and Gefitinib for HER2 Positive Breast Cancer and its Brain Metastasis.	DST-JRF
20.	Pranesh Kumar	Dr. SudiptaSaha	Enhancement of oral biovailability and antiproliferative potential of betulinic acid by PLGA loaded nanoparticle approach	DST INSPIRE
21.	Vipul Agarwal	Dr. Vikas Mishra	A Study on the Role of ProinflammatoryCytokines and their Modulationby Cholinergic Activity in Chronic Stress Induced Cardiac Dysfunction	ICMR-SRF
22.	Mujeeba Rahman	Dr. Vikas Mishra	A Study on the role of Brain Derived Neurotrophic Factor and its Modulation in Chronic Stress Induced Atherosclerosis and Endothelial Dysfunctions.	UGC NonNET
23.	Anand Kumar	Dr. Sapana Kushwaha	Effect of Pharmacological Intervention(s) in Skeletal Muscle of Diabetic rat	UGC NonNET
24.	PriyankaPrajapati	Dr. SapanaKushwaha	Investigation of Pharmacological Agent(s) and Molecular Mechanism thereof for the treatment of Sarcopenia associated Muscle Atrophy	DST-PA

22. Google profile of the faculty members:

Prof. Shubhini A. Saraf.

https://scholar.google.co.in/ citations?user=pBDGTycAAAAJ&hl=en

Dr. Gaurav Kaithwas

https://scholar.google.co.in/ citations?user=6U7UbYUAAAAJ&hl=en

Dr P.S.Rajinikanth

https://scholar.google.co.in/ citations?user=g6-RhUYAAAAJ&hl=en

Dr. SudiptaSaha

https://scholar.google.co.in/ citations?user=vRk9iIYAAAAJ

Dr Vikas Mishra

https://scholar.google.com/ citations?user=uQucveoAAAAJ&hl=en

Dr. Sapna Kushwaha

https://scholar.google.co.in/ citations?user=d_nITEwAAAAJ&hl=en

SCHOOL OF EARTH AND ENVIRONMENTAL SCIENCE

The School of Earth & Environmental Sciences (SEES) represents an interdisciplinary school of international repute with the objective to inculcate reasoning, innovation, critical analysis and problem solving approach to achieve sustainable environment on earth. A need for better and safer environment has been realized recently, more than ever before, as the problem of contamination of water, soil and atmosphere by toxic substances is leading to loss of productivity and increasing health hazards. Water crises, energy depletion, global warming, loss of biodiversity, deforestation and an overall imbalance in ecosystems are increasing day-by-day. The School of Environmental Science was established in the year 1997 with an aim to promote and prepare passionate professionals who could drive positive change in the areas of resource sustainability, conservation of resources, development of clean and green technology, and also offer leadership in the field of environment. Presently the SEES is having three full fledged departments i.e., Department of Environmental Science, Department of Environmental Microbiology and Department of Geology housed in palatial building equipped with latest State-of-Art laboratories. There are 19 well qualified, full time permanent faculty members. The school is running nine full time UG, PG and Ph.D. programmes with major emphasis on excellent training to students in their respective field of study which also provides ample opportunities for personality development of student.

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Department of Environmental Science is presently offering two P.G. programmes i.e., M.Sc. in Environmental Science as well as M.Sc. Geology and one U.G programme B.Sc. (Hons) Geology. The Department is working as interdisciplinary center to learn and disseminate the knowledge in various aspect of environment by offering M.Sc. and Ph.D. degrees to students. Presently, there are about 59 student in UG (B.Sc. (Hons.), 28 P.G. students in Environmental Science, 29 PG students in Geology, 37 Research Scholars, 02 PDF's working in diverse fields of Environmental Sciences. Department of Energy and Environment is having well experienced faculties and well equipped laboratories. There is special emphasis on research and development in core areas of environmental studies such as Climate change, Environmental Impact Assessment, Toxicology, Bioremediation, Bio energy, Environmental Biotechnology and microbiology, microbial ecology and Natural Resource Management. The Course curriculum is designed with the help of experts from academia and Industries to train the manpower required to work in the field of Environmental sciences. The Department of Energy and Environment is also having research programmes funded by DBT, DST, CSIR, Science & Technology, UP. The Department came into existence in 1997 under the School for Environmental Sciences (SES). These programs provide students with a high-quality environmental education that includes experience with research and field training.

The Department intends to impart special training to students who can easily handle the emerging environmental problems of various kinds faced by the industries and the society on the both technological and environmental fronts. There are four Professors, three Associate Professor and three Assistant Professors in the Department from diverse fields of specialization ranging from Environmental Microbiology, Stress Biology, Environmental Biotechnology, Environmental Impact Assessment (EIA), Environmental Toxicology, Environmental Chemistry, Environmental Modeling and Management.

The department has also signed MOU with various research organizations working in the areas of Environmental Science such as Indian Institute of Toxicological Research (IITR), National Botanical Research Institute (NBRI) and Central Institute of Medicinal and Aromatic Plants (CIMAP). During the last 5 years, more than 13 postgraduate students of this department have qualified in NET/GATE organized by UGC/ICAR/AICTE etc. The Department of Environmental Science has been included in the FIST Programme of Department of Science and Technology, Govt. of India and received a sum of Rs. 50 lacs for improvement of infrastructural and research facilities in the department.

The Department also organizes regular seminars during weekends for the students where students speak

on topic of their choice in order to harness their oration skills and to create general awareness among them on different aspects of environmental issues. Department is also actively organizing special programme on current topics in the field of environmental sciences from time to time. Department takes pride in not missing the celebration of national Science, World Wetlands Day, Ozone Day, World Environment Day, Wildlife-week, World Water Day, International Conference on Environmental Technology and Sustainable Development: Challenges and Remedies and workshop on Mainstreaming Climate Change Adaptation & Disaster Risk Reduction. Students regularly participate in various extra-curricular activities such as debate competition, essay writing, cultural and sports activities organized by the University. Involvement of students in field and dissertation works helps students to establish relationship with professional organizations that help them in their extension studies and placements. One semester of dissertation work provides critical real-world experience for our students preparing them for successful careers.

1. Course Offered

i. M.Sc. (Environmental Science)

ii. B.Sc. (Hons.) Geology and M.Sc.Geology

iii. Ph.D (Environmental Science)

2. Facilities available in the Department

i. 04 M.Sc. Laboratory

ii. 02 Research Laboratory

iii. 02 Smart Classroom

iv. 02 Departmental Library

v. 01 Field Station

3. Details of Faculty

i. Prof. D.P. Singh

Professor

Specialization: Environmental Microbiology/ Stress Physiology

Qualification: M.Sc., Ph.D.

ii. Prof. Rana Pratap Singh

Professor

Specialization: Stress Biology of Plants and Microbes, Ecological Engineering, Ecological Agriculture, Environmental Impact Assessment.

Research Interest: Agro-ecological concerns and Ecological Agriculture, Climate Impact Studies, Bioremediation, Designer Ecosystems

Qualification: M.Sc., Ph.D.

iii. Prof. S.K. Dwivedi

Professor & Dean, SES

Specialization : Microbiology Ecology, Environmental Microbiology

Qualification : M.Sc., Ph.D.109

iv. Prof. Naveen Kumar Arora

Professor & Head

Specialization : Environmental and Agricultural Microbial Technology

Qualification : M.Sc., Ph.D.

v. Mr. N.K.S. More

Associate Professor

Specialization : Cell & Developmental Biology, Toxicology

Qualification : M.Sc., M.Phil.

vi. Dr. Shikha

Associate Professor

Specialization: Environmental Microbiology

Qualification : M.Sc., Ph.D.

vii. Dr. Venkatesh Dutta

Associate Professor

Specialization : Environmental Management, EIA, Modeling, Water Res. Management

Qualification : M.Sc., Ph.D.

viii. Dr. Narendra Kumar

Assistant Professor

Specialization : Environmental Pollution, Impact Assessment and bioremediation

Qualification : M.Sc., Ph.D.

ix. Dr. Richa Kothari

Assistant Professor **(On Lien Since 2017)**

Specialization: Renewable energy and waste water Treatment Technology

Qualification: M.Sc., M.Phil, Ph.D.

x. Dr. Jiwan Singh

Assistant Professor

Specialization: Solid waste management, water and waste water treatment, synthesis of nano-materials and their applications, composting/ vermicomposting, phyto-remediation

Qualification: M.Sc. M.Tech., Ph.D.

4. Details of Seminar/Conference/Webinar organized by the department

Prof. Rana Pratap Singh

Organized as General Secretary PHSS Foundation International Conference on 'Advances in Sustainable Agriculture: Bioresources, Biotechnology and Bioeconomy' collaboration with Mansarovar Global University, Bhopal and PHSS Foundation for Science & Society, Lucknow at Bhopal. November 29- 30, 2019

Prof. Naveen Kumar Arora

i. **Chairman and Convener** of One Day Workshop on "Reducing our Water Footprints" under Swachh Bharat Pakhwada at BBA University, Lucknow. 13th September, 2019

ii. **Organizing Secretary & Convener**, Integrated Workshop on "Publication Ethics and Patenting" 10th February, 2020

iii. **Organizing Secretary & Convener,** International Conference on "Environmental Sustainability: Innovations, Translational Dimensions and Way Forward"at BBA University, Lucknow. 10th–12th February, 2020

iv. **Chairman**, National Science Day on theme "Women in Science" at BBA University, Lucknow. 28th February, 2020

v. **Organizing Secretary & Convener**, Training Workshop cum Faculty Development Program (FDP) on Environmental Biodiversity and Disaster Risk Managementat BBA University, Lucknow in collaboration with NIDM. 2nd–6th March, 2020

Dr. Venkatesh Dutta

i. World Wetlands Day–2nd February, 2020

ii. International Conference on Environmental Sustainability: Innovation, Translational Dimensions and Way Forward, 11th–12th February, 2020

iii. International Workshop on Technology-led Innovation & Sustainability – 26th February, 2020

iv. Workshop on "Reducing water footprints" during Swachhta Pakhwada, 13th Sept. 2019

5. Co-curricular/Extra-curricular/sports Activity by the department

Prof. Naveen Kumar Arora

Chairman, 'Swachhta Pakhwada' at BBA University, Lucknow.

Nodal Officer, Unnat Bharat Abhiyan Program of MHRD.

Nodal Officer, 'Ek Bharat Shrestha Bharat'

I. Following activities done under Swachhta Pakhwada during 1st–15th September, 2019

a. Survey of rain water harvesting ponds and their condition (in BBA University)

b. Auditing of the water bodies within 5 Km. radius of the University

c. Awareness Campaign on Water & Waste management and Single use plastic

d. Rally on 'Zero Waste Campus'

e. Poster Competition on 'Single use plastics and their alternatives' (Poster Size 2"x3")

f. Village visit for auditing water bodies and organizing awareness campaign on Waste management & Single use plastics.

g. Clean Campus Day

h. Workshop & Group discussion on 'Reducing our water foot prints'

i. Screening of film on Plastic Waste/Water Conservation/Biodiversity for awareness amongst teaching, non-teaching and students.

II. Following activities done under Swachhta Hi Seva 11th September to 27th October, 2019

a. Shramdaan

b. Awareness on 'Single use plastic and collection of plastic' in Aurava village (adopted village by the University)

c. Essay Writing Competition (Hindi & English Language) Topic: 'Impact of Single use plastic and their alternatives'

d. Competition of 'Do it Yourself' Projects using plastic waste.

III. Following activities done under Swachhta Pakwada 16th to 31st January, 2020

a. Swachhta pledge taking ceremony

b. Plogging & Plantation of saplings (with high CO_2 absorption rate)

c. Development and presentation of innovative technologies for waste recycling, energy conservation etc. if any

d. Competitions regarding swachhta- speech, poster making, slogan writing etc.

e. Organization of cleanliness drive in campus with active participation of students, faculty and non-faculty

f. Weeding out/recording of old files, records as per procedure

g. Competitions regarding water conservation-speech, poster making, slogan writing etc.

h. Talk show on swachhta-create awareness among students on all aspects of Swachhta-personal, physical, mental, environmental, societal etc.

i. Competitions regarding forest conservation-speech, poster making, slogan writing etc.

j. Cleanliness drive in hostels with active participation of students and hostel staff

k. Special stress on maintenance of kitchen, food waste management and cleanliness

l. Competitions regarding 'Best out of waste'-creating useful items out of waste materials in the surroundings. Organization of special drive on water conservation

m. Check wastage of water and take appropriate measures to rectify

n. Village activities by institutions in association with NGOs Say no to single use plastic Awareness camps regarding cleanliness through road show, nukkad natak, songs, poems, display of banner etc.

o. Presentation of reports on village visit by students, action taken thereon and suggestion

p. Barrier free access to drinking water and toilet facilities for Divyang students may be reviewed and ensured

q. Prize distribution ceremony for winners in the competitions organized with display of top 10 entries of poster, slogan, Best out of waste, presentation of innovative technologies for waste recycling, energy conservation etc.

IV. Activities done under Unnat Bharat Abhiyan:

a. Village Schools Visit for Sensitizing Teachers and Students regarding Cleanliness, Hygiene, Organic Farming, Vaccination, Health, Diet etc

b. Street Play on 'Swachhta' in village schools

c. Campaign on no use of 'Single Use Plastic'

d. Checking water bodies in adopted villages

e. Soil sampling and determination of its quality

V. Activities done under 'Ek Bharat Shrestha Bharat':

a. Quiz Competition on the pairing state (Meghalaya)

b. EBSB Club was formed

c. EBSB Day celebrated every 2nd Friday except May & Dec

d. EBSB Club Day celebrated every 4th Friday except May & Dec.

e. A documentary was screened on culture of the partnering state (Meghalaya)

f. Statehood day of partnering state

g. Tableau on Culture of Meghalaya on Republic Day

VI. Coordinator, Foundation Courses of BBA University, Lucknow

Mr. N.K.S. More

a. Expert on Doordarshan Kendra, Lucknow on Air Pollution dated 22.12.2019

b. Expert on Doordarshan Kendra, Lucknow on Plastic Free India dated 29.1.2020

Dr. Venkatesh Dutta

Organized Field tour for students on World Wetlands Day–2nd February, 2020

6. Visitors of Department from inside the country during

Dr. Shalini Sharma, CEO, E-Waste Exchange, Hyderabad

7. Visitors of Department from outside the country

30 delegates from Inland University, Norway visited the Department on 26.02.2020

8. Members/fellowship of professional/academic bodies/editorial board

Prof. Rana Pratap Singh

i. **Members,** National Academy of Sciences, Allahabad India

ii. Members, Indian Science Congress Association, Calcutta

iii. Members, International Society for Environmental Botanist, Lucknow

iv. Members, Asian PGPR Society for Sustainable Agriculture, Hyderabad

v. Members, Academy of Environmental Biology India, Lucknow

vi. Members, Indian Society for Plant Physiology, New Delhi

vii. Members, The Society for Plant Research, Meerut

viii. Members, Society for Plant Physiology and Biochemistry, New Delhi

ix. Members, Society for Plant Biochemistry and Biotechnology, New Delhi

x. Members, Professor H.S. Srivastava Foundation for Science and Society, Lucknow

xi. Members, The Society for Science of Climate Change and Sustainable Environment, New Delhi

xii. Members, Indian Botanical Society (IBS), Lucknow

xiii. Members, Clean and Green Environmental Society, Lucknow

xiv. Members, Uttar Pradesh Academy of Agricultural Science, Lucknow

xv. Members, Uttar Pradesh Academy of Sciences, Lucknow

xvi. Members, Haryana Vigya Manch (HMV), Rohtak

xvii. Members, Association of Microbiologists of India (AMI), New Delhi

xviii. Members, Royal Association for Science-led Socio-cultural Advancement (RASSA), New Delhi

xix. Members, UP Association for the Science and Technology Advancement

xx. Members, The Society for Conservation of Wild Life , Lucknow

xxi. Members, Hindi Vigyan Sahitya Parishad, Mumbai

xxii. Members, The Society for Environmental Sustainability, Lucknow

xxiii. Members, International Society for Noni Science, Chennai

xxiv. Members, Indian Academy of Social Sciences, Allahabad

xxv. Members, International Union for Conservation of Nature, Gland, Switzerland -2016-2020

In Leadership of Academic Societies

xxvi. President (Elected) The Society for Science of Climate Change and Sustainable Environment, New Delhi (www.ssceonlinewordpress.com) (2018–contd.)

xxvii. President (Elected) of Society for Environmental Sustainability, Lucknow. (2018–contd.)

xxviii. President UP, (Elected) Royal Association for Science Led Socio-cultural Advancement (RASSA), New (2017– contd.)

xxix. Vice-President (Elected) of the Academy of Environmental Biology (India), Lucknow. (2014–contd.)

xxx. General Secretary (Elected), Professor H.S. Srivastava Foundation for Science and Society, Lucknow. (2008–contd.)

xxxi. Secretary (Elected), The society for Science of Climate Change and Sustainable Environment, New Delhi (2009-2017)

xxxii. Joint Secretary, Clean and Green Environmental Society, Lucknow. (2017 – contd.)

xxxiii. Member Executive Committee International Society of Environmental Botanists, CSIR-National Botanical Research Institute, Lucknow. (2015–contd.)

Editor/Reviewer

xxxiv. Editor-in-Chief of an International Journal "Physiology and Molecular Biology of Plants [PMBP (www.springer.com/journal/12298)] since 2002

xxxv. Editor of an International Research Journal "Climate Change and Environmental Sustainability" [CCES (www.indian journals.com/ijor.aspx? target=ijor:cces& type=home)], since 2013

xxxvi. Editor-in-Chief of an International Journal of Science, Technology and Society (IJSTS) since2015 (http://www.bbau.ac.in/new/research_journal.aspx).

xxxvii. Editor-in-Chief of a multilingual quaternary magazine "Kahaar " (www. kahaar.in), since 2014

Fellow of Academic Societies

xxxviii. Indian Water Resources Fellowship by Indian Water Resources Society (IWRS) (HQ: IIT, Roorkee)

xxxix. Fellow of International Society for Environmental Botanists, (ISEB), CSIR-NBRI, Lucknow

xl. Fellow of Indian Society for Plant Physiology, New Delhi (HQ: ICAR-IARI, New Delhi)

xli. Fellow of Academy of Environmental Biology of India (HQ: CSIR-IITR, Lucknow).

Prof. S.K. Dwivedi

i. Life Member, Indian Science Congress Association

ii. Life Member, Indian Phytopathological Society*

iii. Life Member, Indian Botanical Society*

iv. Life Member, Indian Lichenological Society

v. Life Member, Indian Aerosol Science & Technology

vi. International Society for Tropical Ecology*

vii. Purvanchal Environmental Association*

Fellow of the society

i. Voice-President, Society for Environmental Sustainability (Springer

ii. Nature)

iii. Member, Academic Council, BBAU, Lucknow

iv. Member, UP State Biodiversity Board, Department of Environment,

v. Forest and Climate Change, UP Government

vi. Member, Selection Committee, State Clean Ganga Mission, UP, Government of UP

Prof. Naveen Kumar Arora

i. Life Member of Association of Microbiologists (AMI) of India.

ii. Life Member of Indian Science Congress Association, Kolkata, India.

iii. Life Member of Asian PGPR Society

iv. Life Member of Professor H.S. Srivastava Foundation for Science and Society

v. Life Member of Clean and Green Society, Lucknow

vi. President & Life Member, Society for Conservation of Wildlife

vii. Secretary & Life Member, Society for Environmental Sustainability

viii. Fellow of International Society for Environmental Botanists, (ISEB), CSIR, NBRI

Dr. Shikha

i. Life member of the Society of Biological Chemists, (India) [SBC (I)], Life membership No. 3827-2016

ii. Life member of the Association of Microbiologists of India (AMI), Life membership No. 4618-2017

Dr. Venkatesh Dutta

i. Fellow of Society of Earth Sciences (SES), India

ii. Member, International Association of Hydrological Sciences (IAHS), UK

iii. Member, Indian Water Resources Society (IWRS), IIT Roorkee

iv. Member, Indian Association of Hydrologists (IAH)

v. Member, Indian Science Congress Association

Dr. Narendra Kumar

i. Member, Board of Management, Babasaheb Bhimrao Ambedkar University, Lucknow, India

ii. Co-coordinator, Department of Geology, School for Earth and Environmental Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow, India

iii. Life Member-International Society for Environmental Botanist, CSIR-National Botanical Research Institute, Lucknow 226001, INIDA

iv. Life Member-Professor H.S. Srivastava Foundation for Science and Society, Lucknow, India

Dr. Jiwan Singh

i. The Institutions of Engineers, India, Associate member (MEMBCODE-AM1505249, RECSLNO-130200622970), from October, 31 2013 to present.

ii. Korean Society of Environmental Engineers (Member no. 7351)

iii. Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEES) (Member no. 201901) from (March 07-2016 to present)

iv. Life time member- Prof. H.S. Srivastava Foundation for Science and Society, Lucknow, India

Editorial Board-

Editorial member-International Journal of Agricultural Science and Food Technology (ISSN No. 2455-815X).

9. Details of Book written/edited by faculty members

Prof. D. P. Singh

i. Atul Upadhyay, Ranjan Singh and **D.P. Singh**. (2019). **Restoration of Wetland Ecosystem: A Trajectory Towards a Sustainable Environment**. Springer Nature **(978-981-13-7665-8)**

ii. Vimal Chandra Pandey and **D.P. Singh**. (2020). **Phytoremediation potential of perennial grasses**. Elsevier. ISBN 978-0-12-817732-7.

Prof. Rana Pratap Singh

Ecological and Practical Applications for Sustainable Agriculture (2020) Bauddh, Kuldeep, Kumar, Sanjeev, **Singh, Rana Pratap** and Korstad, John (Ed.) Springer.

Prof. Naveen Kumar Arora

i. Microbial Enzymes: Roles and Applications in Industries, Springer. ISBN 978-981-15-1710-5.

ii. Microbes and Enzymes in Soil Health and Bioremediation, Springer. ISBN 978-981-13-9116-3

iii. Medically Important Plant Biomes: Source of Secondary Metabolites, Springer. ISBN 978-981-13-9565-9

iv. Microbial Technology for the Welfare of Society, Springer. ISBN 978-981-13-8843-9

v. Microbial Metabolism of Xenobiotic Compounds. Springer. ISBN 978-981-13-7461-6

vi. Vol 1: Rhizobacteria in Abiotic Stress Management: Plant Growth Promoting Rhizobacteria for Sustainable Stress Management, Springer. ISBN 978-981-13-6536-2

vii. Vol 2: Rhizobacteria in Biotic Stress Management: Plant Growth Promoting Rhizobacteria for Sustainable Stress Management, Springer. ISBN 978-981-13-6986-5

viii. Environmental Contaminants: Ecological Implications and Management, Springer. ISBN 978-981-13-7903-1

Dr. Narendra Kumar

i. Vertika Shukla and **Narendra Kumar (Editors)** (2020) Environmental Concerns and Sustainable Development Volume 1: Air, Water and Energy Resources. Springer Nature, Germany. ISBN 978-981-13-5888-3

ii. Vertika Shukla and **Narendra Kumar (Editors)** (2020) Environmental Concerns and Sustainable Development Volume 2: Biodiversity, Soil and Waste Management. Springer Nature, Germany. ISBN 978-981-13-6357-3.

iii. Naveen Kumar Arora and **Narendra Kumar (Editors)** (2019) Phyto and rhizo remediation. Springer Nature, Germany. ISBN 978-981-32-9663-3

10. Details of Book Chapter in edited volume

Prof. D. P. Singh

i. Vimal Chandra Pandey, **D.P. Singh.** (2020). The potential of Sewan grass (*Lasiurus sindicus* Henrard) in phytoremediation an endangered grass species of desert. Phytoremediation Potential of Perennial Grasses. Elsevier Inc. ISBN: 978-0-12-817732-7.

ii. Vimal Chandra Pandeya, Ambuj Mishra, Sudhish Kumar Shukla, **D.P. Singh.** (2020). Reed canary grass (*Phalaris arundinacea L.*): coupling phytoremediation with biofuel production. Elsevier Inc. ISBN: 978-0-12- 817732-7.

iii. Vimal Chandra Pandey, Apurva Rai, Anuradha Kumari, **D.P. Singh.** (2020). *Cymbopogon flexuosus* an essential oil-bearing aromatic grass for phytoremediation. Elsevier Inc. ISBN: 978-0-12-817732-7.

iv. Vimal Chandra Pandey, Divya Patel, Shivakshi Jasrotia, **D.P. Singh.** (2020). Potential of Napier grass (*Pennisetum purpureum* Schumach.) for phytoremediation and biofuel production. Elsevier Inc. ISBN: 978-0-12-817732-7.

v. Vimal Chandra Pandeya, Divya Patel, Deblina Maiti, **D.P. Singh.** (2020). Case studies of perennial grasses phytoremediation (holistic approach). Elsevier Inc. ISBN: 978-0-12-817732-7.

vi. A.K. Upadhyay, Ranjan Singh, Jay Shankar Singh and **D.P. Singh**. (2019). Microalgae assisted phycoremediation and energy crisis solution: challenges and opportunity In: Microbial Biotechnology in Agro-Environmental Sustainability (Eds. J.S. Singh and **D.P. Singh**) Elsevier Science. ISBN 0444641912, 978044441915.

Prof. Rana Pratap Singh

i. Singh, Kripal, Awasthi, Ashutosh, **Singh, Rana Pratap,** Tewari, S.K. (**2020**). Current Developments in Biotechnology and Bioengineering, Rpam Kataki *et al*. (eds.), *Merging the margins for beneficial biofuels: An Indian perspective*, Elsevier, Netherlands DOI https://doi.org/10.1016/B978-0-444- 64309-4.00007-6 pp: 163-178.

ii. Sachdev, Swati and **Singh, Rana Pratap (2020).** *Trichoderma*: A Multifaceted Fungus for Sustainable Agriculture, *Ecological and Practical Applications for Sustainable Agriculture* (2020) Bauddh, Kuldeep, Kumar, Sanjeev, **Singh, Rana Pratap** and Korstad, John (Ed.) Springer.

Prof. S.K. Dwivedi

i. **Dwivedi S K** and Garima Singh (2019) Diversity of microfungi in cropland ecosystem with reference to crop productivity. In: Dynamics of Ecosystem and climate change in India (eds Awasthi Abhisek, Singh AK, Sharma Anshu), Serilas publications Pvt. Ltd. New Delhi pp, 1-17. ISBN: 978-93-86611-47-5

ii. Singh Garima, Mishra Jitendra and **Dwivedi S.K**. (2019). Role of fungal enzymes in removal of azo dyes. IN: Microbial Enzyme: Role and Applications in Industry. Arora *et al*. Eds, Springer Nature. pp, 231-257. (ISBN 978-981-15-1709-9)

iii. Mishra Priya, Mishra Jitendra, Dwivedi S.K. and Arora Naveen (2019). Microbial Enzymes in Biocontrol of PhytopathogensIN: Microbial Enzyme: Role and Applications in Industry. Arora *et al*. Eds, Springer Nature. pp, 259-285. (ISBN 978-981-15-1709-9)

Prof. Naveen Kumar Arora

i. **Arora NK,** Fatima T, Mishra I, Verma S, 2020.Microbe-based Inoculants: Role in Next Green Revolution. In book: *Environmental Concerns and Sustainable Development*, pp.191- 246, DOI 10.1007/978-981-13-6358-0_9

ii. Mishra I, **Arora NK**. 2019. Rhizoremediation: A Sustainable Approach to Improve the Quality and Productivity of Polluted Soils. In book-*Phyto & Rhizo Remediation*, Springer, pp.33-66, DOI: 10.1007/978-981-32-9664-0_2

iii. Fatima T, **Arora NK**. 2019. Plant Growth-Promoting Rhizospheric Microbes for Remediation of Saline Soils. In book-*Phyto & Rhizo Remediation*, Springer, pp 121- 146, DOI: 10.1007/978-981-32-9664-0_5

Dr. Shikha

i. Arpna Ratnakar and Shikha (2019) Role of microbial genomics in plant health protection and soil health maintenance, Chapter 10 In: Microbial genomics in sustainable Agroecosystems, (V tripathi *et al*. eds.), Springer Nature Singapore Pte Ltd. 2019, pp 163-179. (https://doi. org/10.1007/978-981-32-9860-6_10)

ii. Shiv Shankar, Shailja Singh, Shikha, Anuradha Mishra and Siya Ram (2019) Strategic role of fungal laccases in biodegradation of lignin, Chapter 7, In: Mycodegradation of Lignocelluloses, Fungal Biology, (Naraian, R. ed.), Springer Nature Switzerland AG 2019, pp 119-135. (https://doi.org/10.1007/978- 3-030-23834-6_7)

iii. Gaurav Raj Dwivedi, Brijesh Singh Sisodia and Shikha (2019) Secondary Metabolites: Metabolomics for secondary metabolites, In : New and Future developments in Microbial biotechnology and Bioengineering: Microbial Secondary metabolites Biochemistry and applications (Gupta, Vijay Kumar and Pandey Anita eds.) Chapter 22, Elsevier, pp 333-344. (https://doi.org/10.1016/B978-0-444- 63504-4.00022-0)

iv. Shiv Shankar, Shailja Singh, Anuradha Mishra, Manju Sharma, and **Shikha** (2019) Microbial Degradation of Polyethylene: Recent Progress and Challenges, In: Microbial metabolism of xenotoxic compounds, Microorganisms for sustainability, 10 (Arora, P.K., ed.), Springer Nature, Singapore Pte. Ltd. 2020, pp 245- 262. (https://doi.org/10.1007/978-981-13- 7462-3_12)

v. Shankar S, **Shikha**, Ratnakar A, Singh S. (2019). Environmental contamination, toxicity profile and bioremediation strategies for pulp and paper mill waste water, In: Bioremediation of Industrial Waste for Environmental Safety, (Saxena, G; Bhargwa R.N. Eds) Springer Nature, Singapore Pte. Ltd. 2020, pp181-206 **(**https://doi. org/10.1007/978-981-13-1891-7_9**).**

vi. Shailja Singh and **Shikha** (2019). Treatment and recycling of wastewater from oil refinery/ Petroleum Industry, In: Advances in Biological treatment of Industrial waste waterand their recycling for a sustainable future, Applied Environmental Science and Engineering for a Sustainable Future (Singh, R L, Singh, R P eds.) Springer Nature, pp 303-332. ISSN 2570-2165 ISSN 2570-2173 (electronic) ISBN 978-981-13-1467-4 ISBN 978-981-13-1468-1 (eBook) https://doi. org/10.1007/978-981-13-1468-1

Dr. Venkatesh Dutta

i. *Dutta, V.*, Sharma, U., & Kumar, R. (2020) Restoring Environmental Flows for Managing River Ecosystems: Global Scenario with Special Reference to India. In *Environmental Concerns*

and Sustainable Development (pp. 163-183). Springer, Singapore.

ii. Dubey, D. and *Dutta, V.* (2020) Nutrient Enrichment in Lake Ecosystem and Its Effects on Algae and Macrophytes. In *Environmental Concerns and Sustainable Development* (pp. 81-126). Springer, Singapore.

iii. Kumar, S. and *Dutta, V.* (2019) Efficiency of Constructed Wetland Microcosms (CWMs) for the Treatment of Domestic Wastewater Using Aquatic Macrophytes. In Environmental Biotechnology: For Sustainable Future (pp. 287-307). Springer, Singapore. ISBN: 978-981-10-7283-3

Dr. Narendra Kumar

i. Sanjeev Kumar, Nisha Kumari, Susmita Karmakar, Ankit, Ritu Singh, Monalisha Behera, Anita Rani, and **Narendra Kumar** (2020). Advances in Plant-Microbe-based remediation approaches for environmental cleanup. In R.N. Bhargava (eds.) Emerging eco-friendly green technologies for wastewater treatment, Microorganism for sustainability. 103-128. Springer Singapore.

ii. Sushil K Bharti, S C Barman, **Narendra Kumar** (2020) Organochlorine pesticides (OCPs) in Atmospheric particulate Matter: Sources and effects (2019) In Shukla and Kumar(eds) *Environmental Concerns and Sustainable Development Volume 1: Air, Water and Energy Resources*. 97-111. Springer Nature Germany

iii. Jaya Tiwari Dubey, V Subramaniam and **Narendra Kumar** and Anjali Verma (2020) Policy Interventions in achieving water security in India. In Shukla and Kumar (eds) *Environmental Concerns and Sustainable Development Volume 1: Air, Water and Energy Resources*. 257-274. Springer Nature Germany

iv. **NarendraKumar** and Anjali Verma (2020) Inter-basin water transfer and policy of water resource Management. In Shukla and Kumar (eds) *Environmental Concerns and Sustainable Development Volume 1: Air, Water and Energy Resources*. 275-291. Springer Nature Germany

v. Poonam and **Narendra Kumar** (2019) Natural and artificial soil amendments for the efficient phytoremediation of contaminated soil. In Arora and Kumar (eds) *Phyto and Rhizo Remediation: Microorganism for sustainability*.1-32. Springer Nature Germany

vi. Sangeet Anand, Sushil K Bharti, Sanjeev Kumar S C Barman and **Narendra Kumar** (2019) Phytoremediation of heavy metals and pesticides present in water using aquatic macrophytes (2019). In Arora and Kumar (eds) *Phyto and Rhizo Remediation: Microorganism for sustainability.* 89-119. Springer Nature Germany

vii. Dhananjay Kumar, Sangeeta Anand, Poonam, Jaya Tiwari, GC Kisku, **Narendra Kumar**, (2019). Removal of Inorganic and Organic Contaminants from Terrestrial and Aquatic Ecosystem through Phytoremediation and Biosorption. In Sobti *et al.* (eds.) *Environmental Biotechnology: For Sustainable future*. Springer Nature Singapore 45-71.

Dr. Jiwan Singh

i. Bhan, C., Verma, L., Singh J., 2020. 'Alternative fuels for sustainable development', in Shukla, Vertika, Kumar, Narendra (Eds.) *Environmental Concerns and Sustainable Development,Volume 1: Air, Water and Energy Resources* pp 317- 331, ISBN 978-981-13-5889-0 **Springer nature.**

ii. Rawat, S., Verma, L., Singh J., 2020. 'Environmental hazards and management of E-waste' in Shukla, Vertika, Kumar, Narendra (Eds.) *Environmental Concerns and Sustainable Development, Volume 2: Biodiversity, Soil and Waste Management* pp 381-398. **Springer nature. ISBN 978-981- 13-6358-0**

11. Paper published during the year by the faculty members

Prof. D.P. Singh

i. Sudhir K. Upadhyay, Anil Kumar Saxena, Jay Shankhar Singh, **Devendra P. Singh** (2019) Impact of Native ST-PGPR (*Bacillus pumilus*; EU927414) on PGP Traits, Antioxidants Activities, Wheat Plant Growth and Yield under Salinity. Climate Change and Environmental Sustainability, 7(2):157-168

ii. Mishra, T., Pandey, V.C., Praveen, A., Singh, N.B., Singh, N., **Singh, D.P**. (2020) Phytoremediation ability of naturally growing plant species on the

electroplating waste water contaminated site. Environmental Geochemistry and Health. IF-3.252

iii. Rimakumari, **D P Singh** (2019) Ameliorating effect of surfactants against silver nanoparticle toxicity in crop *Fagopyrum esculentum* L, Environmental Nano technology, Monitoring & Management, https://doi.org/10.1016/j. enmm.2019.100254

iv. Ranjan Singh, A.K. Upadhyay, Dig Vijay Singh, Jay Shankar Singh, **D.P. Singh**. (2019). Photosynthetic performance, nutrient status and lipid yield of microalgae Chlorella vulgaris and Chlorococcum humicola under UV-B exposure, Current Research in Biotechnology. 1, 65-67. **IF-0.00**

v. Neha Gupta, Puneet Khare, **D.P. Singh*** (2019) Nitrogen-dependent metabolic regulation of lipid production in microalga *Scenedesmus vacuolatus*. Ecotoxicol. Environ. Safety, 174: 706-713, **IF-4.64**

vi. Neha Gupta, **D.P. Singh*** (2019) Effect of spectral quality of light on growth and cell constituents of the wild- type (WT) and DCMU-tolerant strain of microalgae *Scenedesmus vaculatus*. Energy, Ecology and Environment. (In press) DOI–10.1007/ s40974-019-00124-7. **IF-0.**

vii. Abhay Prakash Rawat, **D.P. Singh*** (2019) Synergistic action of adsorption and reductive properties of ash derived from distilled *Mentha piperita* plant waste in removal of Cr(VI) from aqueous solution, Ecotoxicol. Environ. Safety, 176: 27-33, **IF- 4.64**

viii. Abhay Prakash Rawat, Vinay Kumar, **Devendra Pratap Singh*** (2019) A combined effect of adsorption and reduction potential of biochar derived from Mentha plant waste on removal of methylene blue dye from aqueous solution. Separation Sci. Technol. doi.org/10.1080/ 01496395.2019.1580732. **IF-1.35, Citations-01**

ix. A Yaqoob*, D.P. Singh, M Yunus, GA Bhat (2019) Phytotherapeutic and Ethno-botanical Importance of Plant Biodiversity of Dachigam National Park, Kashmir. Am. J. Ethnomed. 4(2):12, **IF-0.94**

Prof. Rana Pratap Singh

i. Kumar, Pawan and **Singh, Rana Pratap** (2020). Potentials and limitations of multifunctional microbial stimulants in sustainable agriculture. **RASSA Journal of Science for Society, 2(1), 21-26.**

ii. Maddhesiya, Pawan Kumar, Singh, Kripal and **Singh, Rana Pratap** (2020). "Effects of perennial aromatic grass species richness and microbial consortium on soil properties of marginal lands and biomass production" ***Land Degradation & Development,*** in press.

Prof. S.K. Dwivedi

i. Kumar, V., and **Dwivedi, S. K**. (2019). Hexavalent chromium stress response, reduction capability and bioremediation potential of Trichoderma sp. isolated from electroplating wastewater. *Ecotoxicology and Environmental Safety*, *185*, 109734.

ii. Kumar, V., & **Dwivedi, S. K**. (2019). Hexavalent chromium reduction ability and bioremediation potential of Aspergillus flavus CR500 isolated from electroplating wastewater. *Chemosphere*, *237*, 12456

iii. Kumar Vinay, Singh Saumya, Singh Garima and **Dwivedi S.K.** (2019). Exploring the Cadmium Tolerance and Removal Capability of a Filamentous Fungus *Fusarium solani*. Geomicrobiology Journal. pp. 1-10(http://doi. Org/10.1080 / 01490451.2019.1627443) (Taylor & Francis).

iv. Kanaujiya Deepa, Kumar Vinay, **Dwivedi S K,** Prasad Ganesh (2019) Photobiosynthesis of Silver Nanoparticle Using Extract of As per gillusflavus C R 5 0 0 : Its Characterization, Antifungal Activity and Mechanism Against *Sclerotium rolfsii* and *Rhizoctonia solani*. *Journal of Cluster Science,* doi.org/10.1007/s10876-019-01709-2 (Springer-Nature)

v. Ganesh Prasad and **Dwivedi SK (2020)** Efficacy of bioagents, plant extracts and chemical fungicides against root rot disease in Zea may cause by Sclerotium rolfsii. Asia Pacific Journal of Multidisciplinary Research, 8, 47-55.

Prof. N.K. Arora

i. **Arora NK**., Mishra I. 2020. Ocean sustainability: essential for blue planet. ***Environmental Sustainability,*** DOI 10.1007/s42398-020-00100-6.

ii. Prakash J., **Arora NK.** 2019. Development of *Bacillus safensis*-based liquid bioformulation to

augment growth, stevioside content, and nutrient uptake in *Stevia rebaudiana*. ***World Journal of Microbiology and Biotechnology,*** DOI: 10.1007/s11274-019-2783-x **(IF- 2.477)**

iii. Egamberdieva D., Wirth S., Kimura SDB, Mishra J., **Arora NK.** 2019. Salt tolerant plant growth promoting rhizobacteria for enhancing crop productivity of saline soils. ***Frontiers in Microbiology,*** DOI10.3389/fmicb.2019.02791. **(IF- 4.235)**

iv. **Arora NK**., Mishra I. 2019. United Nations Sustainable Development Goals **2030 and environmental sustainability: race against time. *Environmental Sustainability*, DOI10.1007/s42398-019-00092-y.**

Dr. Shikha

i. Shailja Singh, Shiv Shankar and Shikha (2020) Effect of photooxidative degradation on low density polyethylene (LDPE). Asia Pacific Journal of Multidisciplinary research, 8 (1), 56-62. (P-ISSN 2350 7756; E-ISSN 2350 8442.

ii. Arpna Ratnakar and Shikha (2019) Effect of co contamination of Cadmium and Butachlor on seed germination and early seedling growth of C.roseus under simulated soil contamination, Plant Archives, 19 (2) 769-779 (e-ISSN:2581-6063 (online), ISSN:0972- 5210)

iii. Anamika Pandey, Shiv Shankar, Shikha, Naveen Kumar Arora (2019) Amylase assisted green synthesis of silver nanocubes for antibacterial applications. Bioinspired, Biomimetic and Nanobiomaterials, 8(3), 161-170 (doi: 10.1680/jbibn.17.00031) (ISSN 2045-9858|E-ISSN 2045-9866 (ISI Scopus Impact factor-0.78)

Dr. Venkatesh Dutta

i. Sharma, U., & *Dutta, V.* (2020) Establishing environmental flows for intermittent tropical rivers: Why hydrological methods are not adequate? *International Journal of Environmental Science and Technology*. 17, 2949–2966. https://doi.org/10.1007/s13762-020-02680-6 **(IF: 2.540)** ISSN: 1735- 2630

ii. Kumar, Saroj, Sampurna Nand, Divya Dubey, Bhanu Pratap, and *Venkatesh Dutta* (2020) Variation in extracellular enzyme activities and their influence on the performance of surface-flow constructed wetland microcosms (CWMs). *Chemosphere* (2020): 126377. **(IF: 5.778)** ISSN: 0045-6535

iii. Aggarwal, D., Kumar, N. &*Dutta, V.* (2020) Impact on endangered Gangetic dolphins due to construction of waterways on the river Ganga, India: an overview. *Environmental Sustainability* (2020). https:// doi.org/10.1007/s42398-020-00104-2

iv. Bajpai, O., *Dutta, V.*, Singh, R., Chaudhary, L. B., & Pandey, J. (2020) Tree Community Assemblage and Abiotic Variables in Tropical Moist Deciduous Forest of Himalayan Terai Eco-Region. *Proceedings of the National Academy of Sciences, India* Section B: Biological Sciences, 1-11. **ISSN:** 2250-1746

v. Iqbal, K., Ahmad, S. & Dutta, V. (2019) Pollution mapping in the urban segment of a tropical river: is water quality index (WQI) enough for a nutrient-polluted river? *Applied Water Sciences* 9: 197. *https://doi.org/10.1007/s13201-019-1083-9 (ISSN:2190-5487)*

vi. Dutta, V., Vimal, M., Singh, S. and Singh, R.P. (2019) Agricultural practices in a drought-prone region of India: opportunities for S & T innovations. *World Journal of Science, Technology and Sustainable Development*, 16(4) 208–226. Emerald, UK*https://doi.org/10.1108/WJSTSD-04-2018-0019 (ISSN : 2042-5945)*

vii. Kumar, S. and *Dutta, V.* (2019) Constructed wetland microcosms as sustainable technology for domestic wastewater treatment: an overview, *Environmental Science and Pollution Research*, 26(12): 11662–11673 *https://doi.org/10.1007/s11356-019-04816-9* **(IF: 3.056)** (ISSN: 0944-1344)

viii. Kumar, N., Gautam, A., Dubey, A.K., Ranjan, R., Pandey, A., Kumari, B., Singh, G., Mandotra, S., Chauhan, P.S., Srikrishna, S. and *Dutta, V.* (2019) GABA mediated reduction of arsenite toxicity in rice seedling through modulation of fatty acids, stress responsive amino acids and polyamines biosynthesis. *Ecotoxicology and Environmental Safety*, 173, pp.15-27. *https:// doi.org/10.1016/j.ecoenv.2019.02.017* **(IF: 4.872)** (ISSN: 0147-6513)

Dr. Narendra Kumar

i. Dinesh Kumar, D.S.Malik. **NarendraKumar**, Neelima Gupta, Varsha Gupta (2019) Spatial changes in water and heavy metal contamination in water and sediment of river Ganga in the river belt of Haridwar to Kanpur. Envrinmental Geochemistry and Health. (IF-3.252)

ii. Dhananjay Kumar, Priyanka, Vertika Shukla, Sanjeev Kumar, R.B.Ram, **NarendraKumar** (2019) Metal Pollution Index and Daily Dietary Intake of Metals Through Consumption of Vegetables. International Journal of Environmental Science and Technology. DOI: 10.1007/ s13762-019-02594-y. (Impact Factor - 2.03)

iii. Poonam, **Narendra Kumar** (2019) Experimental and kinetic study of removal of lead (Pd +2) from battery effluent using sweet lemon (Citrus limetta) peel biochar adsorbent. Environment, Development and Sustainability. DOI:10.1007/s10668-019-00389-2 (IF-1.676)

Dr. Jiwan Singh

i. Siddique, A., Nayak, A. K., Singh, J. 2020. Synthesis of FeCl3-activated carbon derived from waste Citrus limetta peels for removal of fluoride: An eco-friendly approach for the treatment of groundwater and bio-waste collectively. ***Groundwater for Sustainable Development 10, 100339 (Scopus) Elsevier***

ii. Shukla, K., Verma, A., Verma, L., Rawat, S., **Singh J.,** 2020. A novel approach to utilize used disposable paper cups for the development of adsorbent and its application for the Malachite Green and Rhodamine-B dyes removal from the aqueous solution. ***Nature Environment and Pollution Technology,* 19 (1), 57-70.** (Scopus).

iii. Yadav, N., Maddheshiaya, D. N. Rawat, S., Singh, J., 2020. Adsorption and equilibrium studies of phenol and para-nitrophenol by magnetic activated carbon synthesised from cauliflower waste. ***Environmental Engineering Research 25(5): 742-752, (IF=1.438)***

iv. Sahu, N., Rawat, S., **Singh, J.,** Rao Karri, R.R., Lee, S., Choi, J.-S. Koduru, J.R. 2019. Process optimization and modeling of methylene blue adsorption using zero-valent iron nanoparticle synthesized from the sweet lime pulp. **Applied Sciences, *9*(23), 5112; https://doi.org/10.3390/ app9235112 (IF = 2.474)**.

v. Verma, L., Siddique, M. A. **Singh, J.,** Bharagav, R. N., 2019. As (III) and As (V) removal by using iron impregnated biosorbents derived from waste biomass of Citrus limmeta (peel and pulp) from the aqueous solution and ground water. ***Journal of Environmental Management***, 250, 109452 (Elsevier) (SCI) (**IF = 5.647).**

vi. Verma, L., **Singh J.,** 2019. Synthesis of novel biochar from waste plant litter biomass for the removal of Arsenic (III and V) from aqueous solution: A mechanism characterization, kinetics and thermodynamics. ***Journal of Environmental Management,*** *248 (2019) 109235* (Elsevier) **(SCI) (IF = 5.647).**

vii. Mishra, S., Yadav, S.S., Rawat, S., **Singh, J.,** Koduru, J.R., 2019. Corn husk derived magnetized activated carbon for the removal of phenol and para-nitrophenol from aqueous solution: interaction mechanism, insights on adsorbent characteristics, and isothermal, kinetic and thermodynamic properties. ***Journal of Environmental Management*** 246, 362–373 (Elsevier) **(SCI) (IF = 5.647).**

12. Attended/Participated in conference/ seminar/ workshop inside country

Prof. Rana Pratap Singh

i. **107th Indian Science Congress** January 3-7, 2020 at the University of Agricultural Sciences in Bengaluru, Karnataka.

ii. Attended **"International Conference on Sustainable Agricultural Development in Changing Global Scenario"** at BHU, Varanasi on 11th to 13th October, 2019 organized by RASSA, New Delhi.

Prof. Naveen Kumar Arora

i. International Conference on 'Advances in Sustainable Agriculture: Bioresources, Biotechnology and Bioeconomy' organized by Mansarovar Global University, jointly with PHSS Foundation for Science & Society at Bhopal. November 29-30, 2019

ii. National Conference on 'Frontiers in Biopesticides and Biofertilizers' at Goa. December 06-07, 2019.

Mr. N.K.S. More

i. 1st International Conference on Landslides Risk Reduction and Resilience–2019 Venue: The Ashok Hotel, New Delhi, India-110021 28th November 2019. Organized by NIDM, New Delhi

ii. "International Conference on "Global Frameworks in the Local Context: Challenges and Way Forward" Organized by Centre for Research in Rural and Industrial Development (CRRID), Chandigarh from December 5-7, 2019 at CRRID Chandigarh.

iii. Two days Pre Conference Workshop on "New Urban Agenda, SDGs and Climate Change Initiatives: Issues and Alternatives" from December 3-4, 2019.

iv. Global Symposium on "Disaster Resilient Smart Cities", organized by Special Centre for Disaster Research, JNU, New Delhi., 4-6 December, 2019.

v. International Conference on "Environmental Sustainability: Innovations, Translational Dimensions and Way Forward" on 11th–12th February, 2020.

vi. Training workshop cum FDP on environment, biodiversity and disaster risk management From 2nd to 6th March 2020 sponsored by NIDM, New Delhi at BBAU, Lucknow.

vii. Integrated Workshop on 'Publication Ethics and Patenting' on 10th February, 2020; Venue-SES Conference Hall, BBA University.

Dr. Shikha

i. DST, GoI, New Delhi, (NSTEDB under DST-NIMAT project, 08th-19th January, 2019, CTED, EDII, Ahemdabad

ii. Babasaheb Bhimrao Ambedkar University, Lucknow, 2nd-6th March, 2020, NIDM, Ministry of Home affairs, GoI.

iii. Online, 30th March-3rd April, self paced) Certificate awarded on April 3rd 2020, WHO

Dr. Venkatesh Dutta

i. Training Workshop/Faculty Development Programme (FDP) on "Environment, Biodiversity and Disaster Risk Management", March 2nd, 2020 to March 6th, 2020, DES, BBAU and NIDM, New Delhi

ii. International Conference on Environmental Sustainability: Innovation, Translational Dimensions and Way Forward, 11th-12th February, 2020 Landscape-level Stakeholders Consultation Workshop, "Development of Landscape Management Plan and Monitoring with reference to Ken-Betwa River Link Project", 18th-19th January 2020, Panna Tiger Reserve, Madhya Pradesh

13. Attended/Participated in conference/seminar /workshop outside country

Prof. Naveen Kumar Arora

i. The fourth Edition of the International Con-gress: "MICROBIAL BIOTECHNOLOGY FOR DEVELOPMENT": MICROBIOD 4, organized by Ibn Zohr University and Mo-roccan Association of Biotechnology and Protection of Natural Resources, Agadir-Morocco. April 24th-26th, 2019

ii. 6th Asian PGPR International Conference for Sustainable Agriculture: "Ecofriendly Bioinnovations to Alleviate the Biotic and Abiotic Constraints of 21st Century Agriculture" Tashkent, National University of Uzbekistan, Uzbekistan. August 18th-21st, 2019

Dr. Venkatesh Dutta

i. Training Course "Science, Technology and Innovation Policy for Turbulent Times"– Science Policy Research Unit (SPRU), 17th-21th June, 2019, **University of Sussex, UK**

ii. South Asia Regional Summit on 'Transboundary Water Bonding Organized by Waterkeeper Alliance and Waterkeepers Nepal, 20th-22nd September, 2019 **(Kathmandu, Nepal)**

14. Consultancy work

Prof. Naveen Kumar Arora

Providing consultancy services to Eureka Forbes (Aquaguard).

15. Details of Policy Reports

Dr. Venkatesh Dutta

(a) For Government Bodies

Water Policy of Uttar Pradesh, UP Water Management Regulatory Commission, Govt. of Uttar Pradesh

16. Details of invited lecture inside the country

Prof. Naveen Kumar Arora

i. Invited Talk in International Conference on 'Advances in Sustainable Agriculture: Bioresources, Biotechnology and Bioeconomy' organized by Mansarovar Global University, jointly with PHSS Foundation for Science & Society at Bhopal. November 29- 30, 2019

ii. Keynote Speaker in National Conference on 'Frontiers in Biopesticides and Biofertilizers' at Goa. December 06-07, 2019

Mr. N.K.S. More

i. Ion the National Workshop on Research Methodology for Social Science Professionals organized by Department of Social Work, Mumbai University 23rd -24th Dec 2020

ii. In the International Conference on "Global Frameworks in the Local Context: Challenges and Way Forward" Organized by Centre for Research in Rural and Industrial Development (CRRID), Chandigarh from December 5th-7th, 2019 at CRRID Chandigarh.

iii. In the Global Symposium on "Disaster Resilient Smart Cities", organized by Special Centre for Disaster Research, JNU, New Delhi., 4th-6th December, 2019.

iv. In the International Conference on "Environmental Sustainability: Innovations, Translational Dimensions and Way Forward" on 11th–12th February, 2020. CPR, STI Session

Dr. Venkatesh Dutta

i. Restoration of Wetlands, Workshop and Awareness Campaign on World Wetlands Day 2020, 2nd February, 2020, DES, BBAU

ii. Invited Speaker, "Ganga Our Lifeline: Conservation, Challenges and Opportunities" organized by NSS, Geography Department and Eco Restoration Club, 27th January, 2020, Awadh Girls Degree College, University of Lucknow

iii. Invited Speaker, "Rivers as Fluvial Ecosystem–Challenges in the Anthropocene", One day workshop on "Flood Plain Zoning" on 17th January, 2020 organized by Central Water Commission, Lucknow

iv. Invited Speaker, "Water, Sanitation & Health – Mapping key issues and concerns", Sustainability Exchange Programme for Western Sydney University, Australia, 18th–19th November 2019, University of Lucknow and Centre for Environmental Education (CEE), India

v. Invited lectures on "Eco-Hydrology and River Basin Management", Training Course on Environmental Geology, 22nd–26th October 2019, Regional Training Division, Geological Survey of India (Northern Region), Lucknow

vi. Invited Speaker, "Environmental flows: perspectives from the Ganga Basin", National Conference Towards Water Federalism 2.0: Perspectives from the Ganga and Brahmaputra river basins, September 27th, 2019, India International Centre, *Hanns Seidel Stiftung* and The Asian Confluence

vii. Invited Speaker, "Consequences of environmental changes and imbalances", September 16th, 2019, Era University, Lucknow

viii. Invited Speaker, "Harmful Impacts of Single-use Plastics, Sensitization Workshop" on Harmful Impacts of Single-use Plastics, September 11th, 2019, English and Foreign Languages University, Lucknow Campus

Dr. Jiwan Singh

Delivered Lecture on "**Contamination of ground water by Arsenic and Fluoride in India and its appropriate solutions**" in the RECYCLE 2020, 3rd International conference held at IIT Guwahati, from **13th to 14th February 2020.**

17. Details of invited lecture outside the country

Prof. Naveen Kumar Arora

i. Keynote Speaker in The fourth Edition of the International Congress: "MICROBIAL BIOTECHNOLOGY FOR DEVELOPMENT": MICROBIOD 4, organized by Ibn Zohr University and Moroccan Association of Biotechnology and Protection of Natural Resources, Agadir- Morocco. April 24th-26th, 2019

ii. Invited Talk in 6th Asian PGPR International Conference for Sustainable Agriculture: "Ecofriendly Bioinnovations to Alleviate the Biotic and Abiotic Constraints of 21st Century Agriculture" Tashkent, National University of Uzbekistan, Uzbekistan. August 18th-21st, 2019

Dr. Venkatesh Dutta

i. South Asia Regional Summit on 'Transboundary Water Bonding Organized by Waterkeeper Alliance and Waterkeepers Nepal, 20th-22nd September, 2019 **(Kathmandu, Nepal)**

ii. Science, Technology and Innovation Policy for Turbulent Times – Science Policy Research Unit (SPRU), University of Sussex, UK, 17th–21st June, 2019 **(Sussex, UK)**

18. Details of National Award/fellowship

Prof. Naveen Kumar Arora

Awarded Travel grant from Department of Science and Technology, New Delhi (Grant No. ITS/2019/000593) to attend and deliver lecture in "The Fourth International Congress "Microbial Biotechnology for Development" (MICROBIOD 4), Morocco. (24th April, 2019 to 26th April, 2019)"

19. Details of International Award/fellowship

Award for Excellence in PGPR Research for Exemplary Contribution in the Area of PGPR Research for Sustainable Agriculture by Asian PGPR Society and National University of Uzbekistan at 6th Asian PGPR International Conference for Sustainable Agriculture. Tashkent, Uzbekistan. August 18th-21st, 2019

20. Details of Research Projects (Major/Minor)

Dr. Narendra Kumar

Dr. Jiwan Singh

21. Details of patents filled/awarded

Prof. Naveen Kumar Arora

Patent Published Ref. No. E-12/604/2019/DEL; App. No. 201911035336 A

22. Students achievements

i. Shalu Rawat, Khadija Samreen and Jiwan Singh, 2020, Poster presentation on "Adsorptive removal of a cationic dye using green synthesised nanoparticles", in International conference on Environmental sustainability: Innovations, Translational Dimensions and Way Forward held at B.B.A. University, Lucknow, during 11th and 12th February, 2020

S. No	Title of Projects	Funding Agency	Duration (Specific Dates)	Total grant	Role (PI/ CO-PI)
1	Development of 3-E defluoridation assembly for sustainable removal of fluoride from drinking water	SERB, DST, New Delhi	3 years (7.01.2020 to 6.01.2023)	33.4 Lakhs	PI

ii. Shalu Rawat and Jiwan Singh, 2020, Oral presentation on "Green Synthesis of Iron Nanoparticles from Leaf

S.No.	Title of the Project	Duration ofthe Project	Sponsoring Agency	Value of the Project Rs. (in lakhs)	Other Investigators/ Co-Investigators
1.	Development of novel nano materials from waste materials and their applications for removal of inorganic and organic pollutants from the water and wastewater	3 Years (2017-2020)	UGC start up Grant	**9,31,668/-**	Nil
2.	Synthesis of low cost materials for the removal of arsenic and fluoride from theground water and wastewater	3 Years (2017-2020)	DST, SERB (Early career research award)	**11,87, 230/**	Nil

Extract of Jatropha and Their Application for The Degradation of Phenol and P-Nitrophenol", in RECYCLE 2020 (3rd International Conference on Waste Management), held at Indian Institute of Technology Guwahati, Guwahati, during 13th-14th February 2020.

iii. Lata Verma and Jiwan Singh, 2020, Oral presentation on "Utilization of Waste Plant Leaves Biomass For The Synthesis of Iron Impregnated Biochar and its Application for The Removal of As(iii) From An Aqueous Solution", in RECYCLE 2020 (3rd International Conference On Waste Management), held at Indian Institute of Technology Guwahati, Guwahati, during 13th-14th February 2020.

iv. Nikita Kanaujia and Jiwan Singh, 2020, Oral presentation on "Intensification of Biogas Production By Agriculture Waste: An Effect of Pretreatment On Lignocellulosic Waste", in RECYCLE 2020 (3rd International Conference On Waste Management), held at Indian Institute of Technology Guwahati, Guwahati, during 13th-14th February 2020.

v. Chandra Bhan and Jiwan Singh, 2020, Oral presentation on "Mentha Plant Ash Utilised For The Synthesis of Zeolite Like Material and Its Application For Removal Of Fluoride From An Aqueous Solution", in RECYCLE 2020 (3rd International Conference on Waste Management), held at Indian Institute of Technology Guwahati, Guwahati, during 13th-14th February 2020.

vi. Naincy Sahu and Jiwan Singh, 2020, Oral presentation on "Preparation of Magnetic Activated Carbon from Agricultural Waste and its Application For Removal of Arsenic from An Aqueous Solution", in RECYCLE 2020 (3rd International Conference on Waste Management), held at Indian Institute of Technology Guwahati, Guwahati, during 13th-14th February 2020.

23. Accomplishment of the students

I. Faculty wise supervision of the the Ph.D.

Name of Faculty	Pursuing	Submitted	Awarded
Prof. D.P. Singh	04	-	02
Prof. Rana Pratap Singh	08	01	02
Prof. S.K. Dwivedi	08	01	-
Prof. Naveen Kumar Arora	08	-	02
Dr. Shikha	01	01	-
Dr. Venkatesh Dutta	05	01	-
Dr. Narendra Kumar	03	-	02

- Number of student selected on other government job/banking/school teaching etc…

Sr. No.	Name of students	Institute Name
1	Shubham Mishra	UP Pollution control Board

- Number of student awarded SLET/NET/JRF/any other Fellowship Research Scholars

Sr. No.	Name of students	Awarded fellowship
1	Chandra Bhan	NFSC
2	Dipti	NFSC
3	Divya Dubey	UGC-JRF
4	Chanda Bharti	UGC-JRF
5	Nazia Parveen	NFST
6	Ankita Bhattacharya	UGC-NET

24. Google profile of the faculty members

Prof. D.P. Singh			Dr. Shikha		
	All	Since 2015	Citations	666	540
Citations	4240	3247	h-index	13	12
h-index	31	28	i10-index	15	14
i10-index	65	50			
Prof. Rana Pratap Singh			Dr. Venkatesh Dutta		
Citations	334	273			
Citations	4795	2834			
			h-index	9	9
h-index	39	28			
			i10-index	9	7
i10-index	87	67			
Prof. S.K. Dwivedi			Dr. Narendra Kumar		
Citations	659	528			
Citations	535	272			
			h-index	11	10
h-index	12	10			
			i10-index	16	14
i10-index	17	11			
Prof. Naveen Kumar Arora			Dr. Jiwan Singh		
Citations	2408	2003	Citations	1594	1446
h-index	27	23	h-index	22	21
i10-index	59	55	i10-index	38	37

DEPARTMENT OF ENVIRONMENTAL MICROBIOLOGY

Department of Environmental Microbiology was initially sanctioned as an Innovative Project for M.Sc. Environmental Microbiology under the School for Environmental Sciences from the Session 2007-2008. It was sanctioned as an independent department by UGC in the year 2010 under School for Environmental Sciences. The Department at present offers M.Sc. and Ph.D. programmes in Environmental Microbiology. Apart from this, there are two PG courses under Innovative and Contemporary Programme running in the Department. These courses viz. M.Sc. in Industrial Microbiology & M.Sc. in Food Microbiology and Toxicology take care of the applied aspects of Microbiology and are industry and job oriented. The department also runs five year Integrated B.Sc.- M.Sc. Basic Sciences course on the pattern of IISER. At present, there are two Professors and seven Assistant Professors in the department with diverse fields of specialization namely Microbial Ecology, Bioremediation and Meta genomics, Rhizosphere Microbiology, Stress Physiology and General Microbiology. The department has well equipped M.Sc. Laboratory and developing state of the art research laboratories. Sustainability of environment is important for the survival of the living creatures on the planet. Microorganisms play several vital roles in the environment which maintain the sustainability of the ecosystems. Due to ever increasing population and industrialization, there is ever increasing pressure on the natural resources. Microorganisms can provide answers to several questions and problems such as environmental

pollution, removal of toxic and recalcitrant compounds, food security, can lead to sustainable agriculture by acting as bio fertilizers and bio pesticides, removal of wastes and bioremediation of ecosystems. The focus of the Department is to combat the diverse problems of the environment as microbes can provide the solutions to several of them. The emphasis of research in the Department is on utilizing plant growth promontory rhizobacteria's for enhancing crop yields in eco-friendly manner, microbes for biodegradation of industrial wastes, bioremediation of polluted ecosystems, optimization of technology for detoxification of distillery and pulp paper mill waste and microbe based foods for food security. The Department has research grants from DST, DBT, and CST. The department is also included in the FIST Programme of Department of Science and Technology, Government of India, New Delhi at Level 1 and a grant of Rs. 28 lakhs has been sanctioned under the scheme. Department has put University on the map of International CV Raman Fellowship programme of the Honourable Prime Minister of India by hosting CV Raman Fellow in the year 2017 from Tunisia. In future, the Department vows to create excellence in the field of bioremediation of natural resources which is one of the target area of research. Students in the Department are trained for all the modern techniques in microbiology and biotechnology. Regular seminars are organized in the department during weekend in which students give presentation on their assigned topics related with topics in Environmental Microbiology. The students of final semester also have to carry out dissertation work in which they get to know about how to pursue minor research projects

1. Course Offered

i. M. Sc. (Environmental Microbiology)

ii. M. Sc. (Food Microbiology and Toxicology)

iii. M.Sc.(Industrial Microbiology)

iv. Integrated B.Sc. - M.Sc. (Basic Sciences)

v. Ph.D.

2. Facilities available in the Department

i. Smart classrooms

ii. Research laboratory

iii. M.Sc. Laboratory

iv. Departmental library

v. Instruments available

- Thermocycler
- Gel Doc
- Shaker
- Bacterial Cell Sonicator
- BOD Incubator
- Temperature Controlled Shaker
- Hot Air Oven
- Spectrophotometer
- Distillation Assembly
- Microscope/Binocular
- HPLC
- Phase Contrast Trinocular Microscope
- UV-VIS Spectrophotometer

3. Details of Faculty

i. Prof. Rajesh Kumar

Professor & Head

M. Sc.(Microbiology), Ph. D. (Microbiology),

Bioremediation of Hydrocarbon

Contaminated sites, Bioremediation

ii. Prof. Ram Chandra

Professor

M.Sc. Ph.D.

Bioremediation and Metagenomics Environmental Biotechnology

iii. Dr. V. S. Baghel

Assistant Professor

M.Sc. Ph.D.

Environmental Microbiology

iv. Dr. Jai Shankar Singh

Assistant Professor

Ph.D.

Microbial ecology & Natural resource Management

v. **Dr. R.N. Bhargava**

Assistant Professor

Ph.D.

Environmental Microbiology and Biotechnology

vi. **Dr. Pankaj Arora**

Assistant Professor

Ph.D.

Environmental Microbiology

vii. **Dr. Digvijay Verma**

Assistant Professor

Ph.D.

Metagenomics, Microbiomics, Industrial Enzymes

viii. **Dr. Ravi Kumar Gupta**

Assistant Professor

Ph.D.

Molecular Microbiology

ix. **Dr. Harish Chandra**

Assistant Professor

Ph.D.

Immunotoxicology, Microbiology, Host- Pathogen Interaction.

4. Other Departmental level Academic Activities

i. Parents-Teacher Meeting for participatory development of the Student and University, suggestions were also sought for further improvement on 30th November, 2019

ii. Microbiologist Society of India, BBAU Chapter started on 15th January, 2020

iii. Scientific Quiz Competition on 6th November, 2019

iv. Scientific Debate Competition on 6th November, 2019

v. World immunology day, By Indian Immunology Society at BBAU on 29 April, 2019

5. Co-curricular/Extra-curricular/Sports Activity by the Department

i. Parents-Teacher Meeting for participatory development of the Student

ii. The Department of Microbiology, BBAU, organised a science fest MICRO EVENT-2019 on 6-11-2019 as an extra curricular activity to inspire young minds towards science. It included Poster, debate, Quiz and scientific rangoli Competitions.

iii. Microeve-Cultural Fest 2019 Th e Department of Microbiology organised a cultural event on 08-11-2019 as not only to value academics but also the creative tendencies of the students to cultivate into something great which stays with them for the lifetime. The event included Lighting of the lamp as a mark of our underlying tradition to invoke the almighty at the beginning of any event, Dance, Singing and standup comedy competitions and also prizes were distributed to give due recognition to the talents of our brimming students.

iv. Community Service in village Mati and Rai singh Kheda (12Km away from Lucknow) on 17th November, 2019 in collaboration with Bharat Vikas Parishad, Samarth Shakha, Avadh Prant, Lucknow.

- The student-teachers undertook various kinds of activities as follows:
- Sensitization of the village people towards health and hygiene.
- Creating awareness for protection against Dengue and Swine flu.
- Campaigning for disease prevention using placards, shouting slogans, banners and posters covering the whole village.
- Distribution of soaps, clothes, shoes, toffees, biscuits, toys among people and children of the village.

v. Industrial visit of Final year Master's degree programme students to Dalmia Sugar Mill and Distillery, Sitapur

As said by Francis Bacon "Travelling in the younger sort is part of education, while in the elder sort it is part of experience", thus, corroborating the quote aforementioned, Head of the Department of Microbiology Prof Rajesh Kumar with other faculty organised an educational visit for the students so that they can better understand the intricacies involved when we apply the theoretical concepts learned.

On 04 March, 2020 a group of MSc Microbiology students in their final year accompanied by faculty members, got an opportunity to visit Dalmia sugar mills, situated in village Ramgarh district Sitapur, Uttar Pradesh and learn the basics of a sugarcane industry which is an important industry of Uttar Pradesh as it is the main source of almost 35 lakhs farming families of the province, uplifting socio economic status of farmers. Moreover Sugarcane's industry by-products serve as raw material for many other industries.

6. Visitors to the Department from inside the country during

i. Prof. R.N. Kharwar, Institute of Science, BHU, Varanasi visited the department on 20.09.2019

ii. Prof. Birinchi Sharma, Department of Mycology and Plant Pathology, BHU, Varanasi, visited the department on 04.11.2019

iii. Prof. Abdul Malik, Department of Agricultural Microbiology, AMU, Aligarh, visited the department on 23.12.2019

iv. Prof. Abhay Kr. Pandey, University of Allahabad, visited the department on 15.01.2020

v. Prof. Vir Singh, Professor of Environmental Science at GB Pant University of Agriculture & Technology, visited the department on 18.02.2020

vi. Prof. Anita Sharma, GBPant University of Agriculture & Technology visited the department on 26.02.2020

vii. Prof. H.B. Singh, Ex-Professor, BHU, Varanasi, visited the department on 03.03.2020

7. Members/fellowship of professional/academic bodies/editorial board Editorial board/ Academic bodies

Prof. Rajesh Kumar

i. Life Member of Association of Microbiologists of India. Membership No.1224-1998

ii. Life Member, Indian Science Congress, Membership No. L23732, Agriculture and Forestry Sciences.

iii. Life Member, Asean PGPR Society, ICRISAT Patancheru, Hyderabad

iv. Society for Applied and Basic Research, Meerut

v. Life Member, Microbiologists Society, India, Membership No LM-284, September, 2019.

vi. Reviewer for Elsevier, Springer, Taylor and Francis, Wiley Journals, ICAR Journal etc.

Prof Ram Chandra

i. Fellow, Association of Microbiologists of India (AMI)

ii. Fellow, The Biotech Research Society of India (BRSI)

iii. Fellow, The Academy of Environmental Biology (AEB), Lucknow

iv. Member of American Society for Microbiology (ASM), USA

v. Life member of Society of Toxicology, India

vi. Life member of Academy of Environmental Biology, India

vii. Life member of Association of Microbiologist of India (AMI), India

viii. Life member of Indian Science Congress Association, India

Dr R.N. Bharagava

i. Life Member of the Indian Science Congress Association (ISCA), Kolkata, India

ii. Life Member of the Association of Microbiologists of India (AMI), India

iii. Life Member of the Biotech Research Society of India (BRSI), Trivandrum, India

iv. Life Member of the Academy of Environmental Biology (AEB), Lucknow, India

Dr. Pankaj Kumar Arora

i. Data in Brief, Editor

ii. Scientific reports, Editor

iii. Frontiers in Microbiology, Associate Editor

iv. PLOS ONE, Editor

Dr. Digvijay Verma

i. Association of Microbiologists of India (AMI), Life Member

ii. Biotech Research Society of India (BRSI), Life Member

Dr. Ravi Kumar Gupta

i. Journal Advances in Microbiology Research, Herald Publications, USA (Since 2016), Editor

ii. American Society for Microbiology (ASM) (Since 2015), Member

iii. American Association for the Advancement of Science (AAAS) (Since 2015), Member

8. Details of Book written/edited by faculty members

Prof. Rajesh Kumar

Sadhana Sagar, Shilpa Kaistha, Amar Jyoti Das, Rajesh Kumar (2019). Antibiotic Resistant Bacteria: A Challenge to Modern Medicine (Authors). Springer Nature, Singapore Pte Ltd. https://doi.org/10.1007/978-981-13-9879-7 Springer Verlag PP XVI, 177 (**Authored Book**).

Dr. Jay Shankar Singh

i. JS Singh, DP Sigh (2019). Microbial Biotechnology in Agro-Environmental sustainability. Elsevier 1, 364.

ii. JS Singh (2019), Microbes in soil, crop and Environmental Sustainability.

iii. Jay Shankar Singh, Shobhit Raj Vimal (2019). Microbial Services in Restoration Ecology. Elsevier PP, 366.

Dr. Ram Naresh Bhargava

i. Emerging Eco-friendly Green Technologies for Wastewater Treatment, Springer Nature, Singapore, ISBN 978-981-15-1390-9.

ii. Environmental Contaminants: Ecological Implications & Management, Springer Nature, Singapore, ISBN 978-981-13-7903-1.

Dr. Pankaj Kumar Arora

i. Microbial Technology for Health and Environment, Springer, 978-981-15-2679-4

ii. Microbial Metabolism of Xenobiotic Compounds, Springer, 978-981-13-7462-3

iii. Microbial Technology for the Welfare of Society, Springer, 978-981-13-8844-6

iv. Details of book chapter in edited volume

Prof Rajesh Kumar

i. Swati Rastogi and Rajesh Kumar (2020). Remediation of heavy metals using non-conventional adsorbents and biosurfactant-producing bacteria In: (Eds) Jogendra Singh, Pankaj Kumar, Vinod Kumar, Environmental degradation, causes and remediation strategies. Publication Cell, Agriculture and Environmental Science Academy (AESA).

ii. Das A.J., Ambust S., Kumar R. (2020) Management of Petroleum Industry Waste Through Biosurfactant-Producing Bacteria: A Step Toward Sustainable Environment. In: Saxena G., Bharagava R. (eds) Bioremediation of Industrial Waste for Environmental Safety. Springer, Singapore

iii. Beenu Shastri, Anil Kumar and Rajesh Kumar (2019). Exploration of biocontrol and growth-promoting activity of bacterial strains isolated from sugarcane crop. *In* Advances in Plant and Microbial Biotechnology (Eds) Rita Kundu, Raji Narula. 10.1007/978-981-13-6321-4_17.

iv. Chhaya Verma, Apoorva Dixit and Rajesh Kumar (2019). Production, optimization and characterization of siderophore by *Pseudomonas aeruginosa* isolated from rhizospheric soil In Advances in Plant and Microbial Biotechnology (Eds) Rita Kundu, Raji Narula. 10.1007/978-981-13-6321-4_5.

v. Shastri B and Kumar R (2019). Microbial Secondary metabolites and plant-microbe communication in the rhizosphere. In: JS Singh (Ed). New and future developments in microbial biotechnology and bioengineering, ISBN: 978-0-12-818258-1, 93-111 Elsevier https://doi.org/10.1016/C2018-0-02294-X, 386: 93-111.

Prof Ram Chandra

i. Vineet Kumar and **Ram Chandra Bacterial-assisted phytoextraction mechanism of heavy metals by native hyperaccumulator plants from distillery waste contaminated site for eco-restoration CRC Press** (Taylor & Francis Group), USA, 2019, eISBN: 978- 042-92-7587-6

ii. **Ram Chandra, Sangeeta Yadav , Kshitij Singh Plant growth promoting rhizobacteria (PGPR) and bioremediation of industrial waste In** Ram Chandra and R.C. Sobti (Ed.) **CRC Press** (Taylor & Francis Group), USA, 2019, eISBN: 978-042-92-7587-6.

iii. **Sangeeta Yadav and Ram Chandra Biofilm-mediated bioremediation of pollutants from the environment for sustainable development,** New and Future Developments in Microbial Biotechnology and Bioengineering In Elsevier, USA978- 04446305075.

iv. **Sangeeta Yadav and Ram Chandra** Environmental Health Hazards of Post-Methanated Distillery Effluent and its Biodegradation and Decolorization in Environmental biotechnology in sustainable future Naveen Kumar Arora and Richa Kothari Springer Nature Singapore Pte Ltd 978-981-10-7283-3.

Dr. Jay Shankar Singh

i. S Tiwari, C singh, J S singh (2019), Wetlands: a major natural source responsible for methane emission. Restoration of Wetland Ecosystem: A Trajectory Towards a Sustainable Environment Springer PP 1-17.

ii. AK Upadhyay, R Singh, JS Singh, DP Singh (2019) Microalgae-assisted phyco-remediation and energy crisis solution: challenges and opportunity. New and Future Developments in Microbial Biotechnology and Bioengineering: Microbial Biotechnology in Agro-Environmental Sustainability, Elsevier PP 1-32.

iii. Siddharth Boudh, Jay Shankar Singh, Preeti Chaturvedi (2019). Microbial resources mediated bioremediation of persistent organic pollutants. New and Future Developments in Microbial Biotechnology and Bioengineering, Elsevier. Pages 283- 294.

Dr. Ram Naresh Bhargawa

i. Yago Araújo Vieira, Débora Vilar, Ianny Andrade Cruz, Diego Batista Menezes, Clara Dourado Fernandes, Nádia Hortense Torres, Silvia Maria Egues, Ranyere Lucena de Sousa, and Luiz Fernando Romanholo Ferreira and **Ram Naresh Bharagava,** 2020. Microbes for Sustainable Development and Bioremediation, CRC Press, Taylor & Francis Group, USA, *ISBN 9780367226008*.

ii. Gaurav Saxena, Narendra Kumar, Nandkishor More & **Ram Naresh Bharagava,** 2020, Microbes for Sustainable Development and Bioremediation, CRC Press, Taylor & Francis Group, USA, *ISBN 9780367226008.*

iii. Sandhya Mishra, Ganesh D Saratale, Luiz FR Ferreira, & **Ram N Bharagava, 2019,** Encyclopedia of Renewable and Sustainable Materials, Elsevier, ISBN: **9780128131954.**

iv. Pankaj Chowdhary, **Ram Naresh Bharagava,** Sandhya Mishra, & Nawaz Khan, 2019, *Environmental Concerns and Sustainable* Development: Volume 1: Air, Water and Energy Resources, Springer Nature Singapore Pvt. Ltd. ISBN:9789811358890.

Dr Digvijay Verma

Digvijay Verma, Ravi Kumar & T Satyanarayana, 2019, Diversity in xylan-degrading prokaryotes and xylanolytic enzymes and Their bioprospects, Springer Nature Singapore Pvt. Ltd. 2019, ISBN: 978-981-13-8486.

Dr. Ravi Kr. Gupta

En Huang, **Ravi Kr. Gupta**, Fangfei Lou, Sun Hee Moon, 2019, Microbes for Sustainable Development and Bioremediation, CRC Press Taylor Francis, USA, (1), 325-336, ISBN:9780367226008.

Dr. Harish Chandra

Garg R, Mani, Gupta M, Tripathi D, **Chandra H**, Bhatnagar R, Banerjee N., 2019. *Mycobacterium Tuberculosis*: Molecular Infection Biology, Pathogenesis, Diagnostics and New Interventions, Springer, Singapore, 189-201, ISBN: 978-981-32-9412-7

9. Paper published during the year by the faculty members

Prof. Ram Chandra

Kumar **& R. Chandra (2019).** Pollutants released from the pulp paper industry: Aquatic toxicity and their health hazards. Aquatic Toxicology. 211:202-216.

Prof. Rajesh Kumar

i. Shastri B, **Kumar R,** Lal R.J, Utilization of indigenous endophytic bacteria (*Bacillus* spp.) for their beneficial effect on growth of sugarcane. International Journal of Agricultural Invention. 2020, 2456-1797, 5, 169-172.

ii. Shastri B, Kumar R, Lal RJ, A research article entitled "Isolation and Identification of antifungal metabolite producing endophytic *Bacillus subtilis* (S17) and its *in vitro* effect on *Colletotrichum falcatum* causing red rot in sugarcane. Vegetos, 2020, 33, 493-503. ISSN: 0970-4078. (IF: 0.10).

iii. Shastri B, **Kumar R** and Lal, RJ, Isolation, Characterization and Identification of Indigenous Endophytic Bacteria Exhibiting PGP and Antifungal Traits from the Internal Tissue of Sugarcane Crop. Sugar Tech, 2020, 22, 1-11, ISSN: 0972-1525 (IF: 1.19)

iv. Das A J, **Kumar R**, Production of biosurfactant from agro-industrial waste by *Bacillus safensis* J2 and exploring its oil recovery efficiency and role in restoration of diesel contaminated soil, Environmental Technology and Innovation, 2019, 16, 1-10, ISSN: 2352-1864 (IF: 3.356).

v. Lal S, **Kumar R**, Exploration of heavy metal resistant rhizobacteriaEnterobacter cloacae PC3 to enhance growth and metal remediation potential of Zea mays L. under Cd and Pb stress. Journal of Emerging Technology and Innovation. 2019, 6, 1-12, ISSN: 2349-5162.

vi. Shastri B, **Kumar R** and Lal, RJ, Evaluation of plant growth promoting traits of rhizospheric and endophytic bacteria isolated from sugarcane crop. International Journal of Research and Analytical Review. 2019, 6, 712-717: ISSN: 2349-5138.

vii. Shastri B, **Kumar R** and Lal, R J, Isolation of end ophyticbacteria associated with sugarcane and their in vitro antagonistic activity against red rot pathogen *Colletotrichum falcatum*. Indian Journal of Sugarcane Technology. 2019, 34, 66-69: ISSN: 0970-3233.

viii. Shastri B, **Kumar R** Comparative efficacy of potentially active antagonistic endophytic and rhizospheric bacteria against red rot of Sugarcane, International Journal of Emerging Technologies and Innovative Research, 2019, 6, 916-921, ISSN: 2349-5162.

Dr. Jay Shankar Singh

i. MK Singh, PK Rai, A Rai, S Singh, JS Singh Poly-²-hydroxybutyrate production by the cyanobacterium Scytonema geitleri Bharadwaja under varying environmental conditions. Biomolecules 9: 1-10.

ii. SR Vimal, JS Singh (2019) Salt Tolerant PGPR and FYM Application in Saline Soil Paddy Agriculture Sustainability. Climate Change and Environmental Sustainability 7, 23-33.

iii. Jay Shankar Singh, Arun Kumar, Mani Singh Cyanobacteria: A sustainable and commercial bioresource in production of bio-fertilizer and bio-fuel from waste waters. Environmental and Sustainability Indicators. 3, 100008.

iv. Ranjan Singh, AK Upadhyay, Dig Vijay Singh, Jay Shankar Singh, DP Singh (2019). Photosynthetic performance, nutrient status and lipid yield of microalgae Chlorella vulgaris and Chlorococcum humicola under UV-B exposure. Current Research in Biotechnology, 1, 65-77.

v. Sudhir K Upadhyay, AK Saxena, JS Singh, DP Singh (2019) Impact of Native ST-PGPR (Bacillus pumilus; EU927414) on PGP Traits, Antioxidants Activities, Wheat Plant Growth and Yield under Salinity. Climate Change and Environmental Sustainabilit, 7, 137-168.

Dr. Ram Naresh Bharagava

i. Joberson Alves Junior, Yago Araujo Vieira, Ianny Andrade Cruz, Devora Da Silva Vilar, Mario M. Aguiar, Nadia Hortense Torres, **Ram Naresh Bharagava,** Alvaro Silva Lima, Ranyere Lucena De Souza, Luiz Fernando Romanholo Ferreira, Sequential degradation of raw vinasse by laccase enzyme producing fungus *Pleurotus sajor-caju* and its ATPS purification. Biotechnology Reports, 2020: 25: 00411 (IF: NIL)

ii. Moniky S. Aragao, Diego B. Menezes, Larissa C. Ramos, Helon S. Oliveira, Ram Naresh Bharagava, Luiz Fernando Romanholo Ferreira, Jose A. Teixeira, Denise S. Ruzene, Daniel P. Silva. Mycoremediation of vinasse by surface response methodology and preliminary studies in air-lift bioreactors. Chemosphere, 2020: 244: 125432. IF: 5.708.

iii. Anil Kumar Singh, Pooja Yadav, **Ram Naresh Bharagava,** Ganesh Dattatraya Saratale and Abhay Raj**.** Biotransformation and Cytotoxicity Evaluation of Kraft Lignin Degraded by Ligninolytic Serratia liquefaciens. Front. Microbiol. 2019: 10: 2364. IF: 4.235.

iv. Ianny Andrade Cruz, Luciano de Melo, Ariadne Nunes Leite, Joao Victor Melquiades Satiro, Larissa Renata Santos Andrade, Nadia Hortense Torres, Rebeca Yndira Cabrera Padilla, **Ram N. Bharagava,** Renan Figueiredo Tavares, Luiz Fernando Romanholo Ferreira. A new approach using an open-source low cost system for monitoring and controlling biogas production from dairy wastewater. Journal of Cleaner Production, 2019: 118284, IF: 7.246.

v. Dummi Mahadevan Gurumurthy, **Ram Naresh Bharagava,** Ashok Kumar, Bhaskar Singh, Muhammad Ashfaq, Ganesh Dattatraya Saratale, Sikandar I. Mulla, EPS bound flavins driven mediated electron transfer in thermophilic *Geobacillus* sp. Microbiological Research, 2019: 229: 126324 (IF: 3.970).

vi. Lata Verma, Mohd Adil Siddique, Jiwan Singh, **Ram Naresh Bharagava.** As(III) and As(V) removal by using iron impregnated biosorbents derived from waste biomass of *Citrus limmeta* (peel and pulp) from the aqueous solution and ground water. Journal of Environmental Management, 2019: **250:** 109452 (IF: 5.647).

vii. Gaurav Saxena, Diane Purchase**,** Sikandar I. Mulla, Ganesh Dattatraya Saratale and **Ram Naresh Bharagava.** Phytoremediation of Heavy Metal-Contaminated Sites: Eco-environmental Concerns, Field Studies, Sustainability Issues and Future Prospects. Reviews of Environmental Contamination and Toxicology, 2020: **249:** 71-131(IF: 5.767).

Dr. Ravi Kr. Gupta

Singh A, Shafi Z, Mahto SK, Yadav S, Sankhwar R, Kumar A., **Gupta RK.** Role and Application of Curcumin as an Alternative Therapeutic Agent. Advances in Microbiology Research, Herald Publications, USA. 4, 14-21(IF: 0.66).

Dr. Harish Chandra

Oh Y, Noga R, Shanov V, Ryu H, **Chandra H**, Yadav B, Yadav J, Chae S. Electrically heatable carbon nanotube point-of-use filters for effective separation and *in-situ* inactivation of *Legionella pneumophila*, Chemical Engineering Journal, 2019; **366:** 21-26 (IF: 10.652)

10. Attended/Participated in conference/seminar/ workshop inside country

i. **Dr. Digvijay Verma** attended international conference entitled ' Covid 19 and Environmental Linkages' organized by Department of Environmental Science, Babasaheb Bhimrao Ambedkar University, Lucknow in collaboration with Society for Environmental Sustainability and Springer Nature during 29th June, 2020.

ii. **Dr. Ravi Kumar Gupta** attended Two- Day Online Workshop on "Online Tools & Software for Remote Teaching-Learning" organized by UGC-HRDC, Jawaharlal Nehru Technological University, Hyderabad, Telangana State during 24th & 25th of April, 2020.

iii. **Dr. Ravi Kumar Gupta** attended international conference entitled ' Covid 19 and Environmental Linkages' organized by Department of Environmental Science, Babasaheb Bhimrao Ambedkar University, Lucknow in collaboration with Society for Environmental Sustainability and Springer Nature during 29th June, 2020.

iv. **Dr. Ravi Kumar Gupta** attended international Webinar on "Environment - in the scenario of Covid-19 and Nanoparticles" organized by Chandra Bhanu Gupta Agriculture P.G. College, Bakshi Ka Talab, Lucknow during 16th June, 2020.

v. **Dr. Harish Chandra** attended international conference on Current Trends in Microbiome; A Global Perspective (CTM 2019) (International conference) organized by Indian Network for Soil Contamination Research & the association of microbiologists of India MD University, Rohtak during 11th-12th Oct, 2019.

11. Attended/Participated in conference/seminar/ workshop outside country

Prof Ram Chandra presented a research paper in Italy in International Conference. 136 137

12. Details of invited lecture inside the country:

Dr. Harsish Chandra delivered an invited lecture on Antigens of *Mycobacterium immunogenum*: The etiological agents of hyper sensitivity pneumonitis in occupational machinists at Indian Network for Soil Contamination Research & the association of microbiologists of India MD University, Rohtak during 11th-12th Oct, 2019.

13. Details of International Awards/Fellowship

i. Prof Ram Chandra selected for MHRD-LEAP Programme organized by BHU, India and Oxford University, London, UK in January 2020 for a week.

ii. Pankaj Kumar Arora selected for DBT-Ramalingaswami Re-entry Fellowship

14. Details of Research projects (Major and Minor)

i. Dr. Ram Naresh Bharagava running project on Development and optimization of a bacterial process for the degradation and detoxification of recalcitrant organic pollutants (ROPs) from tannery wastewater for environmental safety,

ii. "March 20th, 2018 to March 19th, 2021" with sanctioned rupees 47.70 lakh by Department of Science & Technology (DST), Government of India, New Delhi-110 002.

iii. Dr. Pankaj Kumar Arora running project on Development of some bioremediation technologies for bioremediation of heavy metals and studies of bacterial diversity for Industrial applications for five years with sanctioned rupees Rs.1.036 crore by Department of Biotechnology, New Delhi, India

iv. Dr. Digvijay Verma running project on Exploring the microbiome of smokeless tobacco with sanctioned rupees 10 lakh by UGC-BSR Startup Grant, University Grant commission, New Delhi

v. Dr. Ravi Kumar Gupta running project on Deciphering the direct and indirect interactions of RNAIII in *S. aureus* with sanctioned rupees 10 lakhs by UGC-BSR Startup Grant, University Grant commission, New Delhi.

vi. Dr. Harish Chandra running project on T-cell antigens of *Mycobacterium tuberculosis* asNovel targets/Biomarkers for Diagnostics/Therapeutics and in Vaccine development with sanctioned rupees 10 Lakhs by UGC-BSR Startup Grant, University Grant commission, New Delhi

15. Details of Patents filed/Awarded

Nikilesh Kumar, **Ram Naresh Bharagava,** Gaurav Kaithwas filled patent on Disinfecting and cleansing composition of *L.usitattissimum* Fixed oil. **Patent No: 1905/DEL/2013** Awaiting Examination. **Agency:** Department of Industrial Policy & Promotion, Ministry of Commerce and Industry, India

Nikilesh Kumar, **Ram Naresh Bhargava,** Gaurav Kaithwas on Perilla frutescens fixed oil: efficacy against bovine mastitis. **Patent No.: 560/DEL/2013.** Awaiting Examination. Department of Industrial Policy & Promotion, Ministry of Commerce and Industry, India

16. Details related to good Governance at the Department level to ensure transparency/ student participation/time bound result etc.

i. Parents-Teacher meetings are organized for two way interaction for feedback and suggestion.

ii. Various Committees are formed at Departmental level (available on website) where student representatives are part of the decision making and students participation is ensured for their overall development.

iii. Evaluated answer sheets are shown to students for their improvement.

17. Students achievements

I. Accomplishments of Students

i). PhD awarded during the year

S. No.	Name of the faculty/ supervisor	Name of the PhD student and viva voce date	Submitted/ awarded	Title	Fellow-ship
1	Prof Rajesh Kumar	Shatrohan Lal20-9-2019	Awarded	Development of plant growth promoting rhizobacterial consortium for remediation of cadmium (Cd) and lead (pb) contaminated soil by *Canna indica* and *Zea mays* L.	RGNF
2	Dr Jay Shankar Singh	Siddharth Boudh04-11-2019	Awarded	Soil methoanotrophs composition in microbial biomass level from lindane contaminated sites.	RGNF
3	Prof Rajesh Kumar	Amar Jyoti Das23-12-2019	Awarded	Restoration and detoxification of petroleum contaminated soil by biosurfactant producing plant growth promotory bacteria for growing medicinal plants and studying the stress responses based on metabolomics	DST-INSPIRE
4	Dr R. N. Bharagava	Gaurav Saxena15-01-2020	Awarded	Bacterial degradation of persistent organic pollutants from tannery wastewater after secondary treatment process.	UGC Non-NET
5	Dr R. N. Bharagava	Ashutosh Yadav, 18-02-2020	Awarded	Study on the bacterial populationand residual organic pollutant present in tannery wastewater after secondary treatment process and its toxicity assessment.	UGC Non-NET
6	Dr NaveenKumar Arora	Rishabh Chitranshi, 18-02-2020	Awarded	Studies on utilization of rhizospheric pseudomonads in preventing seed biodeterioration of *Arachis hypogea* L., enhancement in seed germination and crop production	UGC Non-NET
7	Dr R. N. Bharagava	Surabhi Zenith 26-02-2020	Awarded	Development of bacterial consortium for lignin degradation from pulp and papermill effluent	RGNF
8	Dr NaveenKumar Arora	Jai Prakash -3-03-2020	Awarded	Development of bioformulation using benificail plant associated microorganism for protectionfrom fungal pathogen and yield improvement of *Stevia rebaudiana*	UGC Non-NET
ii). PhD awarded during the year					
1.	Prof . RamChandra	Pooja Sharma	Submitted	Bacterial assisted phytoremedi-ation of organic pollutants for detoxification of pulp and paper mill effluent after secondary treatment	UGC Non-NET
2.	Prof Rajesh Kumar	Beenu Shastri	Submitted	Characterization of endophytic bacterial metabolites and their usage for biocontrol of *Colletotrichum falcatum* causing red rot in Sugarcane crop	RGNF

II. JRFs Awarded during the year

Sr. No.	Name	UGC/CSIR	Academic Year
1	Shweta Bharti	CSIR JRF	2019-2020
2	Kuldeep Soni	CSIR JRF	2019-2020

III. Name of the student pursuing Ph.D.

S. No.	Name of the faculty/ supervisor	Name of the PhD student	Co-Guide	Fellowship
1	Dr Naveen Kumar Arora	Isha Mishra	NA	Non NET
2	Dr Naveen Kumar Arora	Tahmish Fatima	NA	MANF
3	Dr Naveen Kumar Arora	Renu Verma	NA	UGC-CSIR-JRF-SRF
4	Dr Naveen Kumar Arora	Sushma Verma	Prof Rajesh Kumar	NF-OBC
5	Prof Ram Chandra	Ajay Kumar Singh	NA	CSIR-JRF
6	Prof Ram Chandra	Adarsh Kumar	NA	UGC Non NET
7	Prof Rajesh Kumar	Shweta Ambust	NA	UGC Non NET
8	Prof Rajesh Kumar	Swati Rastogi	NA	UGC Non NET
9	Prof Rajesh Kumar	SheelRatna	NA	UGC JRF
10	Prof Ram Chandra	Kshitij Singh	NA	DBT project JRF
11	Prof Ram Chandra	Sonam Tripathi	NA	DBT project JRF
12	Dr Pankaj Kumar Arora	Rupali Mishra	NA	UGC Non NET
13	Prof Rajesh Kumar	Shweta Bharti	NA	UGC JRF
14	Dr RN Bharagava	Roop Kishor	NA	UGC Non NET
15	Prof Ram Chandra	Prerna	NA	UGC Non NET
16	Dr Harish Chandra	JyotiTamta	NA	UGC Non NET
17	Dr Ravi Kumar Gupta	Ruchi Sankhwar	NA	UGC Non NET
18	Dr Harish Chandra	Beema Kumari	NA	UGC Non NET
19	Dr Digvijay Verma	Vinay Kumar	NA	UGC Non NET
20	Dr Ravi Kumar Gupta	Abhishek Kumar	NA	UGC Non NET
21	Prof Rajesh Kumar	Ajay Prakash	NA	UGC Non NET
22	Dr Digvijay Verma	Ankita Srivastava	NA	UGC Non NET
23	Dr Pankaj Kumar Arora	Rishabh Anand Omar	NA	UGC Non NET
24	Prof Rajesh Kumar	Apoorva Dixit	NA	UGC Non NET
25	Dr Digvijay Verma	Akanksha Vishwakarma	NA	UGC Non NET
26	Dr Pankaj Kumar Arora	Raj Shekhar Saroj	NA	UGC Non NET
27	Dr Ravi Kumar Gupta	Nalini Katiyar	NA	UGC Non NET
28	Dr Harish Chandra	Kuldeep Soni	NA	UGC Non NET
29		Christina Sharan	NA	UGC Non NET

Number of students completed their Masters/graduation/Diploma	M.Sc. (EM) MSc. (IM) M.Sc. (FMT)IBS. PhD	13 06 10 07 08
Number of student pursuing higher education	01 (Akanksha Vishwakarma) students selected in PhD programme of the Department	
Number of student selected on other government jobs/banking/school teaching etc	Govt. Job Job Projects	01 03 05
Number of student awarded SLET/NET/JRF/any other fellowship	Two	
Details of the publications of the students (Book/articles/Chapters)	01	

S. No.	Name of the Faculty	Citations	H index	i 10 index	Link
1.	Prof Ram Chandra	2487	32	-	-
2	Prof. Rajesh Kumar	1317	12	15	https://scholar.google.com/citations?user=MpXbo3IAAAAJ
3	Dr. Jay S. Singh	3610	28	62	https://scholar.google.co.in/citations?user=b434-7gAAAAJ&hl=en
4	Dr VS Baghel	290	7	7	https://scholar.google.com/citations?hl=en&user=X_OIsoAAAAJ
5	Dr. Ram Naresh Bharagava	2980	29	52	https://scholar.google.co.in/citations?user=24ehYt0AAAAJ&hl=en
6	Pankaj KumarArora	1456	21	34	https://scholar.google.co.in/citations?user=vMYx7H8AAAA-J&hl=en
7	Dr. Digvijay Verma	470	9	8	https://scholar.google.co.in/citations?user=p9v2kRwAAAA-J&hl=en
8	Dr. Ravi Kumar Gupta	337	10	10	https://scholar.google.com/citations?user=ItoNCfUAAAA-J&hl=en
9	Dr. Harish Chandra	184	7	6	https://scholar.google.co.in/citations?user=4PlPC-4AAAAJ&hl=en

DEPARTMENT OF GEOLOGY

Initially the course of B.Sc.(Hons.)- M.Sc. Geology was started under the aegis of School of Environmental Science in the year 2015. In the year 2020 the course was upgraded to Department of Geology in the School of Earth and Environment Science.

The Department offers two major academic programmes providing impetus to the study of geology in the Northern Region of India. The Department offers full time B.Sc.(Hons.) Geology and M.Sc. Geology degree with the duration of 3 years and 2 years respectively. The Department is offering the courses with the team of experienced, well qualified inter-disciplinary and highly motivated team of Resource Persons.

The Department is emerging as a leading institution in the field of Geology showing its paramount aspirations to explore and excite all the individuals to pursue all the aspects and approaches of advanced mineralogy, petrology, geodynamics, geochemistry, paleontology & oceanography, metamorphism & orogens, groundwater geology, applied stratigraphy, natural hazard and disaster management. Equal emphasis is laid on practical training and field based skills and laboratory studies. The Department is well equipped with spacious classrooms, advanced laboratory, computer labs and departmental library.

Besides the departmental infrastructure, students and faculty have access to various facilities of other departments and centres. The department is perpetually advancing to create a quality atmosphere in pragmatics as well as aesthetics in geology.

Objectives of the Department

- To promote quality teaching with regular up-gradation of course structure, syllabus and course materials for the students.
- To promote comprehensive understanding of the subject by teaching both conventional and new areas of relevance in the domain of geology
- Top romote comprehensive and interdisciplinary knowledge in both teaching and research by emphasizing inter-linking geology with biological, chemical and physical sciences.
- To strengthen field Geology as is the capstone course for the Geology program which requires knowledge gained in Geomorphology, Petrology, Sedimentology and Stratigraphy, Structural Geology and GIS verified by field study.
- To make teaching in geology theoretically rich along with regular field trips
- To motivate and inform students about the opportunities and future prospects in the field.
- To develop the overall personality of students and prepare them to compete and success in their endeavours.

- To inculcate the values of tolerance, progressiveness and fraternity that contributes towards the making of a healthy and prosperous society.

Future Plans of the Department

- Establishment of specialized Laboratories viz. Petrological, Remote Sensing & GIS
- To introduce certificate course in geology
- International collaboration with prestigious institutions
- To strengthen departmental library

1. Course Offered

- B.Sc. (Hons) Geology
- M.Sc. Geology

2. Facilities available in the Department

i. 01 Laboratory

ii. 04 Lecture Rooms

ii. 01 Departmental Library

3. Other departmental level Academic Activities

I. Geo Youth Fest

GEOYOUTH FEST was organized on 7th of February, 2020. This day was chosen to spread the awareness about Geology and their future objectives. That event was basically based on acquaint young minds with the subject that aims to unravel the dynamics of the planet of the Earth. Different activities were conducted on this occasion.

i. Poster Competition

ii. Rangoli Competition

iii. Geological model competition

iv. Quiz competition

II. Fossils Day

Fossil day was celebrated on 16th of October, 2019. This day was chosen to highlight the scientific and educational value of paleontology and the importance of preserving fossils for future generations. All students and teachers of university were invited to visit for the fossil specimen and museum. A lecture was also delivered about general understanding of how fossils are formed. The students were excited to know about the fossils. It was a unique experience for all.

III. Foundation Day

Foundation day of department was celebrated on 9th August, 2019 whose theme was "Current Scenario and Future Aspects of Geology". To make the celebrations worth remembering, various activities and competitions were conducted on this occasion. The students made different models and posters related to Earth's structure, its geomorphic features.

4. Members/fellowship of professional/academic bodies/editorial board

Dr. Vertika Shukla

Life Member: Society of International Society of Environmental Botanist

Life member: Indian Lichenological Society

Dr. Anis

Life Member: Mineralogical Society of India

Life Member: Geochemical Society

Associate: Society of earth Scientist, Lucknow

Annual Member: Indian Association of Sedimentologist, Association of Petroleum Geologist, Dehradun, Society of Petro physicist and Well Log Analysis (India Chapter)

Dr. Sushil Kumar Bharti

Life Member: Indian Aerosol Science and technology Association

Mr. Ravindra Kumar

Life Member: Indian Science Congress

Mr. Sonu Kumar

Life Member: American Association of Petroleum Geologists, AAPG

I. Editor/Reviewer

Dr. Vertika Shukla, Chief Editor: Cryptogam Biodiversity and Assessment (Official Publication of Indian Lichenological Society) **ISSN: 2456-0251**

II. Reviewer:

i. Environmental Pollution (Elsevier Publication)

ii. Ecotoxicology and Environmental Safety (Elsevier Publication)

iii. Science of the Total Environment (Elsevier Publication)

iv. International Journal of Environment Science Technology (Springer Publication)

v. Environmental Science and Pollution Research (Springer Publication)

vi. Phytochemistry Reviews (Springer Publication)

vii. Journal of Ayurveda and Integrative Medicine (Elsevier Publication)

Dr. Sushil Kumar Bharti

I. Reviewer

i. Atmospheric Pollution Research (Elsevier Publication)

ii. Applied Water Science (Springer Publication)

5. Details of Book written/edited by

Dr. Vertika Shukla

i. **Vertika Shukla** and Narendra Kumar **(Editors)** (2020) Environmental Concerns and Sustainable Development Volume 1: Air, Water and Energy Resources. Springer Nature, Germany. ISBN 978-981-13-5888-3

ii. **Vertika Shukla** and Narendra Kumar **(Editors)** (2020) Environmental Concerns and Sustainable Development Volume 2: Biodiversity, Soil and Waste Management. Springer Nature, Germany. ISBN 978-981- 13-6357-3.

6. Details of Book Chapter in edited volume

Dr. Vertika Shukla

i. **Shukla Vertika**, Asati A, Patel D. K., Semwal M, Kumar N, Upreti D. K. 2018 Lichens as sinks of airborne organic pollutants: A case study in the natural ecosystem of Himalaya. In Arora NK and Kumar N (eds) *Phyto and Rhizoremediation*. Springer Nature pp. 175-192 https://doi. org/ 10.1007/978-981-32-9664-0_7.

Dr. Dhananjay Kumar

Purswani, E, Pathak B**, Kumar D,** Verma S 2020. Land-use change as a disturbance regime. In Shukla V and Kumar N (eds) Environmental Concerns and Sustainable development. Springer Nature

7. Paper published during the year

Dr. Vertika Shukla

i. Dhananjay Kumar, Priyanka, **Vertika Shukla**, Sanjeev Kumar, R.B.Ram, Narendra Kumar (2020) Metal Pollution Index and Daily Dietary Intake of Metals Through Consumption of Vegetables. International Journal of Environmental Science and Technology. 17:3271-3278 DOI: 10.1007/s13762-019-02594-y. (Impact Factor - 2.54)

ii. Bajpai, R., **Shukla, Vertika.**, Pandey U, Upreti D.K. **2019** Do lichens have the ability to remove Arsenic from water? Int J of Plant and Environ 5(1):47-49. 00-00 DOI: 10.18811/ijpen.v5i01.8 (peer reviewed)

Dr. Anis

i. **Anis,** Abdullah Khan, Narendra Kumar and Mujeebul Hasan (2020). Diagenesis and Porosity Evolution of the Pachmarhi Sandstones (Early Triassic), Satpura Gondwana Basin, Central India. *The Journal of the Indian Association of Sedimentologists;* 37(2): 37-48. (UGC Approved Journal)

Dr. Dhananjay Kumar

i. **Dhananjay Kumar**, Priyanka, Vertika Shukla, Sanjeev Kumar, R.B.Ram, Narendra Kumar (2020) Metal Pollution Index and Daily Dietary Intake of Metals Through Consumption of Vegetables. International Journal of Environmental Science and Technology. 17:3271-3278 DOI: 10.1007/s13762-019-02594-y. (Impact Factor-2.54)

Mr. Ravindra Kumar

i. Swati Lata, **Ravindra Kumar**, Vaibhava Srivastava (2019) Geometric and strain analyses in folds of the area around Gankot, district Pithoragarh, Uttarakhand, India. Journal of Geoscience, Engineering, Environment, and

Technology Special Vol 04 No 02:19-27

8. Attended/Participated in conference/seminar/ workshop inside country

Dr. Vertika Shukla

i. **Shukla V**, Kumar N, Upreti DK 2020 Environmental Significance of variation in metabolites in lihen, Heterodermia diademata. In: International Conference on "Environmental Sustainability: Innovations, Translational Dimensions and Way Forward" from 10th to 12th February, 2020. Department of Energy and Environment, BBA (Central) University, Rae Bareli Road, Lucknow.

ii. **Shukla V**, Upreti DK 2019 Lichens: Bio-tool To Predict The Green House Gas (GHG) Emissions In Global Conference on the Control of Green House gases at the Source by Physical and Chemical Technology 22nd-24th April 2019. Department of Chemistry, BBA (Central) University, Rae Bareli Road, Lucknow (**Best Oral Presentation Award**)

Dr. Dhananjay Kumar

Presented research paper at Integrated Workshop on Publication Ethics and Patenting & International Conference on "Environmental Sustainability: Innovation, Translational Dimensions and Way Forward" entitled "Physiological and biochemical responses of A. paniculata exposed to copper and cadmium stress" held on 10th to 12th February, 2020 organized by Dept. of Environmental Science, Babasaheb Bhimrao Ambedkar University, Lucknow

9. Details of invited lecture inside the country

Dr. Vertika Shukla

i. We binar Lecture on the topic "Electronegativity Scales" on 25th June 2020 organised by Shivika Students welfare Society, SSWS, Bhopal

ii. Webinar Lecture on the topic "Phytochrome and Cryptochrome, their photochemical and biochemical properties" on 10th June 2020 organised by Shivika Students welfare Society, SSWS, Bhopal

M.Sc. Dissertation Completed

Name of Faculty	No. of students
Dr. Priyanka	02
Dr. Anis	02
Dr. Sushil Kumar Bharti	05
Mr. Ravindra Kumar	03
Mr. Sonu Kumar	02

iii. Number of student selected in Civil services (UPSC/UPPSC)

iv. Details of students selected for teaching in higher education.

v. Vaibhav Jaiswal selected for M.Tech. Applied Geology, NIT, Raipur

vi. Shubham Mishra, M.Tech. Course in Rs and GIS, 22nd Aug. 2020, Indian Institute of Remote Sensing, Dehradun, Uttarakhand

vii. Number of student awarded SLET/NET/JRF/any other

Fellowship: Miss Ananya Srivastava, CSIR-NET, LS

10. Google profile of the faculty members

Dr. Vertika Shukla, Resource Person

All	Since 2016	
Citations	815	472
h-index	14	12
i10-index	21	13

Dr. Sushil Kumar Bharti, Resource Person

All	Since 2016	
Citations	93	93
h-index	5	5
i10-index	3	3

Dr. Dhnanjay Kumar, Resource Person

All	Since 2016	
Citations	86	83
h-index	6	6
i10-index	3	3

SCHOOL OF INFORMATION SCIENCE AND TECHNOLOGY

The School for Information Science and Technology was started since inception of the university. It is an important interdisciplinary faculty in the University, aims at developing as a centre of excellence, especially in the present day information age. The school is dedicated to studies and research on the state of the art in the areas of Library la Information Science, Computer Science. Information Technology and Mass Communication & Journalism. Information Technology is gaining importance as a key resource for the economic, social, cultural and political development of a nation. In a test developing country like ours availability of right information at the right time and at the right cost becomes very essential In a nutshell India needs to pay much more attention to the information sector, it wants to achieve efficiency and effectiveness while utilizing its vast resources Presently, the School for Information Science & Technology has four departments ie, Department of Library and Information Science, Department of Computer Science. Department of Information Technology, Department of Mass Communication and Journalism All the four departments are running Post Graduation courses at the Master level and Ph.D. programmes

Students in the schools are motivated to field visits and educational tours which make them acquainted with the practical problem by observing the Students of the school are made to attend conferences at both National and International level and give seminars on a regular basis. This school is acting as a visionary response to the rapidly growing need in every field for the development of leadership especially in the field of Information Sciences and its related technologies. The school with collaborative efforts in both education and research are producing new knowledge leading to advances in technology and thus helps in our understanding of the way IT is shaping our lives. Pass out students of this school are in high demand across a spectrum of fields. Our renowned faculty, a diverse group of thought, leads in numerous fields including Computer Science, Information Technology, Library & Information Science and Mass Communication & Journalism. Through their sustained efforts and expertise our faculty are jointly helping to guide and direct the course of development the students in the fields of Information Science & Technology and thus involved in shaping the leaders of tomorrow.

DEPARTMENT OF INFORMATION TECHNOLOGY

The Department of Information Technology (DIT) established in the year 2006–2007. The Department offers 2 years (4 semesters) M Sc. course in Information Technology. It is developed to assist and encourage graduate to build on their under graduate knowledge in Information Technology. The Department also offers Ph.D programme in Information Technology. The Department has established a Computing Lab. An Internet facility is also available. The final semester students are motivated to develop real time projects in reputed organizations. Seminars and Group Discussions are a regular feature of DIT. Course curriculum of M.Sc. (IT), M.Sc (IS), M. Tech (SE) and Master of Science in Cyber Security has been prepared on consultation with the industry professional and practitioners. We are planning to modify/ update course curriculum regularly in consultation with the experts to abrupt our students with the latest development in the area of Information Technology. The Department has well qualified faculty members having live interaction and collaboration with other National and International institutions. They all are actively engaged in R&D activities. The faculty members have published number of articles in National and International Journals and Proceedings. Most of the faculty members are the member of various bodies/association of their area of expertise. The Department aims to promote modern area of Information Technology to the highest level of excellence. The environment in the Department is highly conducive for building of solid foundation of knowledge, hands-on experience, development of personality, creativity and motivation to keep students and faculty members abreast with the latest development in the field of IT. In addition to the academic development, proper attention is also given towards the personal development of students in co-curricular activities In the Department currently approx 20 Ph.D. scholars are working in the various field of software engineering. In a very short span of tine the DIT has carved a niche for itself among the reputed institutions of the country imparting quality IT education.

Evolution

Teaching

Major Focus of the department has been on imparting knowledge and developing skills related to the Information Technology. Case method of teaching is used to supplement the lectures delivered by the faculty to the student of Information Technology. The students are exposed to industry through Industrial visit, summer training and project work.

Research

Heavy emphasis is laid on fundamental and applied research in different areas of Information Technology. The Department has been undertaking major as well as minor research project sponsored by various funding body (like UGC, UPCST etc.) at state as well as national level.

1. Courses offered/New Courses

i. Master of Science (InformationTechnology)

ii. Master of Technology (Software Engineering)

iii. Master of Science (Information Security)

iv. Master of Science in Cyber Security (Evening)

v. Ph.D (Information Technology)

2. Details of faculty

i. Prof. R A Khan

Dean School for Information ScienceTechnology Professor & Head

Specialization: Software Quality Estimation Software Testing Software Security.

Qualification: MCA. Ph.D.

ii. Dr. Raj Shree

Assistant Professor

Specialization: Mobile Ad Hoc Networks, Wireless Sensor Network, Routing, Security Image Processing

Qualification: MCA, M.Tech, NET,.Ph.D

iii. Dr. Dhirendra Pandey

Assistant Professor

Specialization Software Engineering, Requirement Engineering

Qualification:M.Sc. (Computer Sc,), M.Phil (Computer Sc.), Ph.D. (Computer Sc.), JRF-NET

iv. Dr. Alka

Assistant Professor

Specialization: Software Security, Information Security

Qualification: M.C.A., Ph. D. (IT), GATE, NET

3. Co-curricular/Extra-curricular/conferences event organized by the Department

i. Technical Webinar on Mongo DB Architecture & Data Modelling

ii. Technical Webinar on Exploring Data Science with Python Machine Learning

4. Members/fellowship of professional/academic bodies/editorial board

Dr. Raj Shree

i. Associate Lifetime Member of Computer Society of India.

ii. Lifetime Member of Uttar Pradesh Association for Science and Technology Advancement (UPASTA), India.

iii. Life Member of Indian Science Congress Association, India.

iv. Member of Institute of Electrical and Electronics Engineers

v. Member of Association for Computing Machinery

vi. Member of International Association of Engineers (IAENG)

Dr. Dhirendra Pandey

i. Member, BoS, Sarguja University, Sarguja

ii. Member, BoS, DIT, BBAU

iii. Member, School Board, SIST, BBAU

iv. Member, DRC, DIT, BBAU

v. Member, UPAST, UP

vi. Member, VijnanaBharti, Awadh Prant

5. Details of Book Chapter in edited volume

Prof. R.A. Khan

i. Selecting and Assessing the Importance of Malware Analysis Methods for Web-based Biomedical Services through Fuzzy based Decision Making Procedure, Khan R.A., *et al.*, (2020). Recent advances in Nature Inspired Optimization Algorithms, Techniques and Biomedical Applications, De-Gruyter. (Accepted)

ii. A Two Step Dimensionality Reduction Scheme for Dark Web Text Classification, Khan R.A., *et al.*, (2020), Advances in Intelligent Systems and Computing (Originally Published with the Title: Advances in Intelligent and Soft Computing), Springer.

iii. Importance of Fog Computing in Healthcare 4.0, Khan R.A., *et al.*, (2020), In Fog Computing for Healthcare 4.0 Environments: Technical, Societal, and Future Implications, Springer, August 2020.

iv. Phishing Prevention Guidelines, Khan R.A., et. al., (2020). Big Data Analytics and Computing for Digital Forensic Investigations, pp. 1-11, Taylor & Francis.

v. Managing Multimedia Big Data: Security and Privacy Perspective, Khan R.A., *et al.*, (2020), Advances in Intelligent Systems and Computing (Originally Published with the Title: Advances in Intelligent and Soft Computing), Springer.

vi. Current Challenges of Digital Forensics in Cyber Security, Khan R.A., *et al.*, (2020), Critical Concepts, Standards, and Techniques in Cyber Forensics, IGI Global.

vii. Trends in Malware Attacks-Identification and Mitigation Strategies, Khan R.A., *et al.*, (2020), Critical Concepts, Standards, and Techniques in Cyber Forensics, IGI Global.

Dr. Dhirendra Pandey

i. A Fuzzy Multi-Criteria Decision Making Method for Managing Network Security Risk Perspective (Scopus), 2019

ii. Cloud-Based Big Data Analytics in Vehicular Ad-Hoc Networks, 240919-025237

iii. Phishing Prevention Guidelines, (Taylor & Francis Publication), 2020

iv. Big Data Analytics and Computing for Digital Forensic Investigations. CRC Press, 2020. 171-181, 9781003024743

v. Fundamental of Software Security Testing, 2020, JRF Publication, MP, 978-61-98743- 89-3

vi. Requirement Engineering: A Guide to Building Quality Software, 2020, Persea Books, New York, 978-0-89255-272-7

Dr. Alka

i. Selecting and Assessing the Importance of Malware Analysis Methods for Web-based Biomedical Services through Fuzzy based Decision Making Procedure, Alka *et al.*, (2020). Recent advances in Nature Inspired Optimization Algorithms, Techniques and Biomedical Applications, De-Gruyter. (Accepted)

ii. Importance of Fog Computing in Healthcare 4.0, Alka *et al.*, (2020), In Fog Computing for Healthcare 4.0 Environments: Technical, Societal, and Future Implications, Springer, August 2020.

iii. Managing Multimedia Big Data: Security and Privacy Perspective, Alka *et al.*, (2020), Advances in Intelligent Systems and Computing (Originally Published with the Title: Advances in Intelligent and Soft Computing), Springer.

iv. Current Challenges of Digital Forensics in Cyber Security, Alka *et al.*, (2020), Critical Concepts, Standards, and Techniques in Cyber Forensics,IGI Global.

v. Trends in Malware Attacks-Identification and Mitigation Strategies, Alka *et al.*, (2020), Critical Concepts, Standards, and Techniques in Cyber Forensics, IGI Global.

6. Paper Published during the year by the faculty members

Prof. R.A. Khan

i. Khan R.A., *et al.*, (2020), Evaluating the Impact of Block-chain Models for Secure and Trustworthy

Electronic Healthcare Records, IEEE Access, vol. 8, pp. 157959- 157973, IEEE.

ii. Khan R.A., *et al.*, (2020), Evaluating the Security Impact of Healthcare Web Applications through Fuzzy Based Hybrid Approach of Multi-Criteria Decision- Making Analysis, IEEE Access, Vol. 8, pp. 135770-135783, IEEE.

iii. Khan R.A., *et al.*, (2020), Security Risk Assessment of Healthcare Web Application through Adaptive Neuro-Fuzzy Inference System: A Design Perspective, Risk Management and Healthcare Policy, Volume 13, pp. 355-371, Dove Press.

iv. Khan R.A., *et al.*, (2020), A Hybrid Model of Hesitant Fuzzy Decision-Making Analysis for Estimating Usable-Security of Software, IEEE Access, Volume 8, Issue 4, pp. 72694-72712.IEEE.

v. Khan R.A., *et. al.*, (2020), An Integrated Approach of Fuzzy Logic, AHP and TOPSIS for Estimating Usable-Security of Web Applications, IEEE Access,Volume 8, Issue 3, pp. 50944-50957.IEEE.

vi. Khan R.A., *et al.*, (2020), A Knowledge Based Integrated System of Hesitant Fuzzy Set, AHP and TOPSIS for Evaluating Security-Durability of Web Applications, IEEE Access,Volume 8, Issue 2, pp. 48870- 48885.IEEE.

vii. Khan R.A., *et al.*, (2020), Attribute Based Honey Encryption Algorithm for Securing Big Data: Hadoop Distributed File System Perspective, PeerJ Computer Science, Feb 2020. PeerJ Inc.,

viii. Khan R.A., *et al.*, (2020), Key Issues in Healthcare Data Integrity: Analysis and Recommendations, IEEE Access, Volume 8, Issue 1, pp. 40612-40628. IEEE.

ix. Khan R.A., *et al.*, (2020), Evaluating Performance of Web Application Security through a Fuzzy based Hybrid Multi-Criteria Decision-Making Approach: Design Tactics Perspective, IEEE Access, Volume 8, 2020, pp. 25543-25556.IEEE.

x. Khan R.A., *et al.*, (2019), Measuring the Sustainable-Security of Web Applications through a Fuzzy-Based Integrated Approach of AHP and TOPSIS, IEEE Access, Volume 7, 2019, pp. 153936-153951, Nov-2019. IEEE.

xi. Khan R.A., *et al.*, (2019), Security durability assessment through Fuzzy Analytic Hierarchy process, Peer J Computer Science, Peer J Inc., DOI: https://doi.org/10.7717/ peerj-cs.215

xii. Khan R.A., *et al.*, (2019), Measuring Security-Durability through Fuzzy Based Decision-Making process, International Journal of Computational Intelligence Systems, Volume 12, Issue 2, pp. 627 – 642, Atlantis Press.

xiii. Khan R.A., *et al.*, (2019), Exploring and Analyzing the Dark Web: A New Alchemy, First Monday, Volume 24, Issue 5, DOI: https://doi.org/10.5210/ fm.v24i5.9473.

xiv. Khan R.A., *et al.*, (2020), Fuzzy Multi Criteria Decision Analysis Method for Assessing Security Design Tactics for Web Applications, International Journal of Intelligent Engineering and Systems, Vol.13, No. 5, pp. 181-196, Intelligent Networks and Systems Society.

xv. Khan R.A., *et al.*, (2020), Security Issues in Fog Environment: A Systematic Literature Review, International Journal of Wireless Information Networks, Vol. 27, pp. 467–483, Springer.

xvi. Khan R.A., *et al.*, (2020), A Hybrid Fuzzy Rule-Based Multi-Criteria Framework for Security Assessment of Medical Device Software, International Journal of Intelligent Engineering and Systems, Vol.13, No.5, pp. 51-62, Intelligent Networks and Systems Society.

xvii. Khan R.A., *et al.*, (2020), Healthcare Data Breaches: Insights and Implications, Healthcare, 8 (133), pp. 1-18. Multidisciplinary Digital Publishing Institute (MDPI). DOI: 10.3390/healthcare 8020133

xviii. Khan R.A., *et al.*, (2020), Fuzzy-Based Symmetrical Multi-Criteria Decision-Making Procedure for Evaluating the Impact of Harmful Factors of Healthcare Information Security, Symmetry, 12 (664), pp. 1-23. Multidisciplinary Digital Publishing Institute (MDPI).

xix. Khan R.A., *et al.*, (2020), Software Security Estimation Using the Hybrid Fuzzy ANP-TOPSIS Approach: Design Tactics Perspective, Symmetry, 12 (4), pp. 1-21. Multidisciplinary Digital Publishing Institute (MDPI).

xx. Khan R.A., *et al.*, (2020), A wakeup Call to Data Integrity Invulnerability, Computer Fraud &

Security, Volume 2020, Issue 4, pp. 14-19.Elsevier. Available at Thomson Reuters.

xxi. Khan R.A., *et al.*, (2020), Evaluating Performance of Software Durability through an Integrated Fuzzy-Based Symmetrical Method of ANP and TOPSIS, Symmetry, 12(3), pp. 1-17. Multi-disciplinary Digital Publishing Institute (MDPI).

xxii. Khan R.A., *et al.*, (2020), A Unified Fuzzy-Based Symmetrical Multi-Criteria Decision-Making Method for Evaluating Sustainable-Security of Web Applications, Symmetry, 12(3), pp. 1-23. Multidisciplinary Digital Publishing Institute (MDPI).

xxiii. Khan R.A., *et al.*, (2020), Ranking Potentially Harmful Tor Hidden Services: Illicit Drugs Perspective, Applied Computing and Informatics, DOI: https:// doi.org/10.1016/j.aci.2020.02.003. Elsevier.

xxiv. Khan R.A., *et al.*, (2019), RSA based Encryption Approach for Preserving Confidentiality of Big Data, Journal of King Saud University-Computer and Information Sciences, pp. 1-9, (Article in Press) October-2019, Elsevier.

xxv. Khan R.A., *et al.*, (2019), Source Code Perspective Framework to Produce Secure Web Application, Computer Fraud & Security, Elsevier. Available at Thomson Reuters, October 2019.

xxvi. Khan R.A., *et al.*, (2019), Multi-level Fuzzy System for Usable-Security Assessment, Journal of King Saud University-Computer and Information Sciences, pp. 1-9, (Article in Press) April-2019, Elsevier.

xxvii. Khan R.A., *et al.*, (2020), Enhancement of Two-Tier ATM Security Mechanism: Towards Providing a Real-Time Solution for Network Issues" International Journal of Advanced Computer Science and Applications, Vol. 11, Issue 7, The Science and Information (SAI) Organization Limited.

xxviii. Khan R.A., *et al.*, (2020), A Framework for Producing Effective and Efficient Secure Code through Malware Analysis, International Journal of Advanced Computer Science and Applications, Vol. 11, Issue 2, pp. 497-503, The Science and Information (SAI) Organization Limited.

xxix. Khan R.A., *et al.*, (2020), A Fuzzy Multi-Objective Covering-based Security Quantification Model for Mitigating Risk of Web based Medical Image Processing System, International Journal of Advanced Computer Science and Applications, Vol. 11, Issue 1, pp. 481-489, The Science and Information (SAI) Organization Limited.

xxx. Khan R.A., *et al.*, (2019), METHWORK: An Approach for Ranking in Research Trends with a Case Study for IoET, Recent Patents on Computer Science, pp. 45-49, Bentham Science.

xxxi. Khan R.A., *et al.*, (2019), Securing Web Applications through a Framework of Source Code Analysis, Journal of Computer Science, pp. 1-16, 2019, Science Publications.

xxxii. Khan R.A., *et al.*, (2019), Usable-Security Assessment through a Decision Making Procedure, ICIC Express Letters-Part B, Applications, Volume 12, Number 8, pp. 665-672, IEEE.

xxxiii. Khan R.A., *et al.*, (2019), Usable-Security Attribute Evaluation using Fuzzy Analytic Hierarchy Process, ICIC Express Letters-An International Journal of Research and Surveys, Volume 13, Number 6, pp. 453-460.

xxxiv. Khan R.A., *et al.*, (2019), Email Phishing: An Enhanced Classification Model to Detect Malicious URLs, EAI Endorsed Transactions on Scalable Information Systems, Vol. 6, Issue 21, pp. 1-12, European Alliance for Innovation (EAI).

xxxv. Khan R.A., *et al.*, (2019), Cost Estimation of Cellular deployed IoT Enabled Network for Flood Detection, Iran Journal of Computer Science, Volume 2, Issue 1, pp. 53–64, Springer.

Dr. Dhirendra Pandey

i. RSA based encryption approach for preserving confidentiality of big data, v 4, p1, 2019, Journal of King Saud University-Computer and Information Sciences, 1319-1578

ii. Comparative Literature Analysis On Security Requirements Engineering, e Volume 8 Issue 12 pp. 113, 2019, International Journal Of Engineering Sciences & Research Technology, ISSN: 2277-9655

iii. Revisiting Requirement Engineering Process, Vol. 9 Issue 1, pp. 46-54, 2019

iv. International Research Journal of Science Engineering and Technology, ISSN24543195

v. Quantitative Analysis of Requirement Elicitation Techniques through FANP: Security Perspective, Volume-8 Issue-5, January 2020, 2020, International Journal of Recent Technology and Engineering, ISSN2277-3878

vi. Optimizing the Impact of Security Attributes in Requirement Elicitation Techniques using FAHP, Volume-9 Issue-4, January 2020, 2020, International Journal of Innovative Technology and Exploring Engineering, ISSN2278-3075

vii. An Intensified Framework for Security Requirement Elicitation: A Secure Software Development Concern, 2020, Journal of Advanced Research in Dynamical and Control System ISSN1943-023X

viii. Effective Requirement Engineering Process by incorporating Risk Management Approach, Vol. 63, Issue 5, Pp. 814-822, 2020, Journal of Advanced Research in Dynamical and Control System, ISSN1943- 023X

ix. A fuzzy TOPSIS based analysis toward selection of effective Security Requirements Engineering approach for trustworthy healthcare software development, 2020, BMC Medical Informatics and Decision Making, MIDM-D-20-00068R3

x. An Anti-Phishing Enterprise Environ Model using Feed-Forward Back propagation and Levenberg-Marquardt Method, 2020, Security and Privacy, Wiley Publcation, https://doi.org/10.1002/spy2.132

xi. Software Testing, Fault, Loss and Remedies, 2019, Journal of Emerging Technologies and Innovative Research, 2349-5162

xii. A Review on Object Detection and Tracking Techniques, Vol. 9, pp. 230, 2019, International Journal of Management, IT & Engineering, 2249-0558

xiii. A Comparative Study on Object Detection and Tracking, Vol 9, PP.1, 2019, International Journal of Research in Engineering, IT and Social Sciences, 2250-0588

xiv. A Comparative Study on Moving Object Detection and Tracking Methods, 2019, International Journal of Management, IT & Engineering, 2249-0558

xv. Usable-Security Assessment Through A Decision Making Procedure Vol 10, No: 10, p 665, 2019, ICIC Express Letters, 1881-803X

xvi. Email Phishing: An Enhanced Classification Model to Detect Malicious URLs, v 6, p. e5, 2019, EAI Endorsed Transactions on Scalable Information Systems, 2032-9407

Dr. Alka

i. Alka *et al.*, (2020), Evaluating the Impact of Blockchain Models for Secure and Trustworthy Electronic Healthcare Records, IEEE Access, vol. 8, pp. 157959-157973, IEEE.

ii. Alka *et al.*, (2020), Evaluating the Security Impact of Healthcare Web Applications through Fuzzy Based Hybrid Approach of Multi-Criteria Decision-Making Analysis, IEEE Access, Vol. 8, pp. 135770-135783, IEEE.

iii. Alka *et al.*, (2020), Security Risk Assessment of Healthcare Web Application through Adaptive Neuro-Fuzzy Inference System: A Design Perspective, Risk Management and Healthcare Policy, Volume 13, pp. 355- 371, Dove Press.

iv. Alka *et al.*, (2020), A Hybrid Model of Hesitant Fuzzy Decision-Making Analysis for Estimating Usable-Security of Software, IEEE Access, Volume 8, Issue 4, pp. 72694-72712.IEEE.

v. Alka *et. al.*, (2020), An Integrated Approach of Fuzzy Logic, AHP and TOPSIS for Estimating Usable-Security of Web Applications, IEEE Access, Volume 8, Issue 3, pp. 50944-50957.IEEE.

vi. Alka *et. al.*, (2020), A Knowledge Based Integrated System of Hesitant Fuzzy Set, AHP and TOPSIS for Evaluating Security-Durability of Web Applications, IEEE Access, Volume 8, Issue 2, pp. 48870-48885. IEEE.

vii. Alka *et al.*, (2020), Attribute Based Honey Encryption Algorithm for Securing Big Data: Hadoop Distributed File System Perspective, PeerJ Computer Science, Feb 2020. PeerJ Inc.,

viii. Alka *et al.*, (2020), Key Issues in Healthcare Data Integrity: Analysis and Recommendations, IEEE Access, Volume 8, Issue 1, pp. 40612-40628. IEEE.

ix. Alka *et al.*, (2020), Evaluating Performance of Web Application Security through a Fuzzy based

Hybrid Multi-Criteria Decision-Making Approach: Design Tactics Perspective, IEEE Access, Volume 8, 2020, pp. 25543-25556.IEEE.

x. Alka *et al.*, (2019), Measuring the Sustainable-Security of Web Applications through a Fuzzy-Based Integrated Approach of AHP and TOPSIS, IEEE Access, Volume 7, 2019, pp. 153936-153951, Nov-2019.IEEE.

xi. Alka *et al.*, (2019), Security durability assessment through Fuzzy Analytic Hierarchy process, PeerJ Computer Science, PeerJ Inc., DOI: https://doi.org/ 10.7717/ peerj-cs.215

xii. Alka *et al.*, (2019), Measuring Security- Durability through Fuzzy Based Decision-Making Process, International Journal of Computational Intelligence Systems, Volume 12, Issue 2, pp. 627– 642, Atlantis Press.

xiii. Alka *et al.*, (2020), Fuzzy Multi Criteria Decision Analysis Method for Assessing Security Design Tactics for Web Applications, International Journal of Intelligent Engineering and Systems, Vol.13, No.5, pp. 181-196, Intelligent Networks and Systems Society.

xiv. Alka *et al.*, (2020), Security Issues in Fog Environment: A Systematic Literature Review, International Journal of Wireless Information Networks, Vol. 27, pp. 467–483, Springer.

xv. Alka *et al.*, (2020), A Hybrid Fuzzy Rule- Based Multi-Criteria Framework for Security Assessment of Medical Device Software, International Journal of Intelligent Engineering and Systems, Vol.13, No.5, pp. 51-62, Intelligent Networks and Systems Society.

xvi. Alka *et al.*, (2020), Healthcare Data Breaches: Insights and Implications, Healthcare, 8 (133), pp. 1-18. Multidisciplinary Digital Publishing Institute (MDPI). DOI: 10.3390/ healthcare8020133

xvii. Alka *et al.*, (2020), Fuzzy-Based Symmetrical Multi-Criteria Decision-Making Procedure for Evaluating the Impact of Harmful Factors of Healthcare Information Security, Symmetry, 12 (664), pp. 1-23. Multidisciplinary Digital Publishing Institute (MDPI).

xviii. Alka *et al.*, (2020), Software Security Estimation Using the Hybrid Fuzzy ANP-TOPSIS Approach: Design Tactics Perspective, Symmetry, 12 (4), pp. 1-21. Multidisciplinary Digital Publishing Institute (MDPI).

xix. Alka *et al.*, (2020), A wakeup Call to Data Integrity Invulnerability, Computer Fraud & Security, Volume 2020, Issue 4, pp. 14-19. Elsevier. Available at Thomson Reuters.

xx. Alka *et al.*, (2020), Evaluating Performance of Software Durability through an Integrated Fuzzy-Based Symmetrical Method of ANP and TOPSIS, Symmetry, 12(3), pp. 1-17. Multidisciplinary Digital Publishing Institute (MDPI).

xxi. Alka *et al.*, (2020), A Unified Fuzzy-Based Symmetrical Multi-Criteria Decision-Making Method for Evaluating Sustainable-Security of Web Applications, Symmetry, 12(3), pp. 1-23. Multidisciplinary Digital Publishing Institute (MDPI).

xxii. Alka *et al.*, (2020), Ranking Potentially Harmful Tor Hidden Services: Illicit Drugs Perspective, Applied Computing and Informatics, DOI: https:// doi. org/10.1016/j.aci.2020.02.003.Elsevier.

xxiii. Alka *et al.*, (2019), RSA based Encryption Approach for Preserving Confidentiality of Big Data, Journal of King Saud University-Computer and Information Sciences, pp. 1-9, (Article in Press) October-2019, Elsevier.

xxiv. Alka *et al.*, (2019), Source Code Perspective Framework to Produce Secure Web Application, Computer Fraud & Security, Elsevier. Available at Thomson Reuters, October 2019.

xxv. Alka *et al.*, (2019), Multi-level Fuzzy System for Usable-Security Assessment, Journal of King Saud University-Computer and Information Sciences, pp. 1-9, (Article in Press) April-2019, Elsevier.

xxvi. Alka *et al.*, (2020), A Framework for Producing Effective and Efficient Secure Code through Malware Analysis, International Journal of Advanced Computer Science and Applications, Vol. 11, Issue 2, pp. 497-503, The Science and Information (SAI) Organization Limited.

xxvii. Alka *et al.*, (2020), A Fuzzy Multi-Objective Covering-based Security Quantification Model for Mitigating Risk of Web based Medical Image Processing System, International Journal of

Advanced Computer Science and Applications, Vol. 11, Issue 1, pp. 481-489, The Science and Information (SAI) Organization Limited.

xxviii. Alka *et al.,* (2019), METHWORK: An Approach for Ranking in Research Trends with a Case Study for IoET, Recent Patents on Computer Science,pp. 45-49, Bentham Science.

xxix. Alka *et al.,* (2019), Securing Web Applications through a Framework of Source Code Analysis, Journal of Computer Science, pp. 1-16, 2019, Science Publications.

xxx. Alka *et al.,* (2019), Usable-Security Assessment through a Decision Making Procedure, ICIC Express Letters-Part B, Applications, Volume 12, Number 8, pp. 665-672, IEEE.

xxxi. Alka *et al.,* (2019), Usable-Security Attribute Evaluation using Fuzzy Analytic Hierarchy Process,ICIC Express Letters-An International Journal of Research and Surveys, Volume 13, Number 6, pp. 453-460.

xxxii. Alka *et al.,* (2019), Cost Estimation of Cellularly deployed IoT Enabled Network for Flood Detection, Iran Journal of Computer Science, Volume 2, Issue 1, pp. 53–64, Springer.

7. Attended/Participated in conference/ seminar/ workshop inside country

Nilu Singh, Alka Agrawal and Khan R. A, "Principle and Applications of Speaker Recognition Security System", Proceedings of Conference on Artificial Intelligence: Research, Innovation & its Applications, 14th-15th March-2018, Organized by Amity Institute of Information Technology, Amity University, Lucknow Campus, pp. 16-20, 2018, ISBN 978- 93-5300-754-6.

8. Details of Invited Lecture inside the country

Dr. Alka Agarwal delivered an invited lecture on Ransomware: A New Threat to Cyber World, International Seminar on Modern Trends in Engineering and Sciences, Organized by Dept. of ECE Physics & EE under the Aegis of HRDC Integral University, Lucknow, 03 Aug 2017.

9. Details of patents filled/awarded

i. Neeraj Kumar, Dr. Alka Prof. RA Khan, Design of an lot based alert system for rainfall disaster management Patent No 201711028829, In process

ii. Prof. RA Khan, S. A Khan, Dr. Alka, Rajeev Kumar, Security durability Assessment framework Patent No. 201711032601, 16/03/2018, Published

iii. Neeraj Kumar, Dr. Alka. Prof. R. A Khan, loT enabled Adhoc Network to alert in disaster caused emergency Patent No:201711028829, 12/01/2018, published

iv. Prof. R.A. Khan, Nilu Singh, A Framework for Automatic Speaker Recognition Using MFCC & Prosodic Feature Extraction Techniques, Patent No. 1706/DEL/2015, In process

v. Prof. R.A. Khna, S.A. Khan, Rajeev Kumar, Managing Software Security Risk: Design Perspective, Patent No. 1781/DL/2015, In process

vi. Prof. R.A. Khan, A Framework to Software Security Usability Trade-off, 1782/ DEL/2015, In process,

vii. Prof. R.A Khan, Framework to Test an Object Oriented Software Fault Tolerance, Patent No. 437/ DEL/2013, 25/07/2014, Published

viii. Dr. Raj Shre, A Despeckling Framework of Agriculture Sar Images for Land Monitoring, Application Date: 24/11/2017, Name of Inventor: Raj Shree, Prabhishek Singh, Ravi Prakash Pandey.

ix. Dr. Raj Shree, A Speckle Reduction Framework For Spotlight Sar Images Using Fusion, Application No: 201711040558 A, Publication Date: 08/12/2017, Name of Inventor: Raj Shree, Prabhishek Singh, Ravi Prakash Pandey, Vivek Shukla, Manoj Diwakar.

x. Dr. Raj Shre, A Despeckling Framework for Ultrasound Images Using Hybrid Approach, Application No: 201711042684 A, Publication Date: 08/12/2017, Name of Inventor: Manoj Diwakar, Raj Shree, Prabhishek Singh.

xi. Dr. Raj Shree, System and Method for Similarity Based Prioritization of Software Tests, Application No: 201711042697 A, Publication Date: 08/12/2017, Name of Inventor: Raj Shree, Shilpi Singh, Ravi Prakash Pandey, VivekShukla.

xii. Dr. Raj Shree, System and Method for Test Suite Optimization In Regression Testing, Application No: 201711035077 A, Publiction Date: 24/11/2017/, Name of Inventor Raj Shree, Shilpi Singh, Ravi Prakash Pandey.

10. Details of Research Project

Dr. Alka

Design and Development of Software Security-Durability Mechanism to make Digital India Initiative more Secure.

11. Students Achievements

I. Accomplishments of Students

M.Sc. Final Year Student (Richa Verma) devised a process to design a Binary Subtractor using Vedic Mathematics and has also filed a patent regarding the same.

II. Faculty wise Supervision of the Ph.D Student

S. No	Name of Research Scholar	Guide/Supervisor
1	Neeraj Kumar	Prof RA Khan, Jointly with Dr. Alka
2	Ajay Kumar	Dr. Raj Shree
3	Amal Krishna Sarkar	Prof. R.A. Khan
4	Syed Anas Ansar	Prof. R.A. Khan
5	Mohd Asim Sayeed	Dr. Raj Shree
6	Mohd Faizan	Prof. R.A. Khan
7	Anshika Singh	Dr. Raj Shree
8	Prashant Kumar	Dr. Raj Shree
9	Jasleen Kaur	Dr. Alka
10	Neha Yadav	Dr. Pawan Kumar Chaurasia
11	Sunil Singh	Dr. Pawan Kumar Chaurasia
12	Mahendra Pratap Singh	Dr. Pawan Kumar Chaurasia
13	Satish Kumar	Dr. Pawan Kumar Chaurasia
14	Masood Ahmad	Prof. R.A. Khan
15	Sujit Kumar Dwivedi	Dr. Dhirendra Pandey
16	Savita Khatri	Dr. Alka
17	Adil Hussain Seh	Prof. R.A. Khan
18	Mohd. Nadeem	Prof. R.A. Khan
19	Suman	Prof. R.A. Khan
20	Sandhya Satyarthi	Dr. Dhirendra Pandey
21	Puneet Bhrati	Dr. Alka

12. Future Plans of the Department, ifany

i. To introduce new specializations including Mobile Ad hoc Network, Software Defined Network and Software Security.

ii. To establish new laboratories including Embedded System Labs Multimedia Lab and Software Security Lab.

iii. To initiate Research Plans aftergetting the sanction of Research Centre.

iv. To offer a unique educational experience that will produce highly competent dedicated and mature professional, able to cope with the challenges of ever changing technical and business environment of the IT world.

DEPARTMENT OF COMPUTER SCIENCE

Established in 1997 as Centre of Vocational Studies (CVS) offering Post Graduate Programme in Computer Software Applications (PGDCSA) and started functioning as Department of Computer Science in 2001 with main objective to provide up-to-date knowledge of the core field of computer science to the students through effective teaching programs thereby enabling students to enhance their knowledge and get employed in leading corporate and IT sectors to serve the country to bridge the digital divide.

Presently the department is offering four full time courses of Master of Computer Applications, MCA (Evening) three year each, M. Tech. (Computer Science) of two year and Ph.D. programme in Computer Science. A number of academic and cultural activities are regularly conducted in the department which includes Seminars and presentations, Invited talks, debate and discussions etc. to familiarize students with latest developments to improve their skills. In the year 2009, a Students Branch of Computer Society of India (CSI) was established in the department to provide a platform to our students for organizing various activities. The faculty members are engaged in various research and development related activities of the department and university apart from teaching and guiding students. Two UGC funded research project have been completed in the department and another few have been send to various govt. funding agencies for approval.

1. Course offered/New Courses

MCA, MCA (Evening), M. Tech. (Computer Science), Ph.D.

2. Facilities in available in the Department

Departmental Library, Computer Lab, Lecture Hall, Smart Class.

3. Details of the Faculty

i. Prof. S. K. Dwivedi, Professor

ii. Prof. Vipin Saxena, Professor

iii. Dr. Deepa Raj Assistant, Professor

iv. Dr. Manoj Kumar Assistant, Professor

v. Dr. Narander Kumar, Assistant Professor

vi. Dr. Shalini Chandra, Assistant Professor

4. Other Departmental level Academic Activities

i. Department organized one week workshop on Artificial Intelligence-Machine Learning with Python, 16th to 20th September, 2020 sponsored by ATAL (AICTE Training and Learning Academy, Jaipur). Prof. Sanjay Singh, Hon'ble Vice Chancellor, Patron and Prof. Arun Mohan Sherry, Founder Director IIIT Lucknow, Chief Guest commenced the workshop. The speakers of the five day workshop were:

- Prof. T.V. Vijay Kumar, Dean, School of Computer and System Science, JNU
- Prof. Anupam Agarwal, Dean(ERP, Automation, Promoting Consultancy, Alumni Activity & other Academic related promotions), Indian Institute of Information Technology, Allahabad.
- Prof. C. M. Pandey, Head, Department of Bioinformatics and Statistics, SGPGI, Lucknow
- Mr. Alok Ranjan Singh, Director, IVS Infotech Pvt. Ltd.
- Mr. Dheer Singh, Head Marketing – Prepaid, DGM, Bharti Airtel, UP East
- Mr. Pankaj Shukla, Joint Director, National Institute of Electronics and Information Technology (NIELIT), Lucknow

ii. Departmental Quiz was organized on 18/10/2019. Student developed the mobile application for conducting the quiz. Quiz was conducted in three rounds. All the students of MCA, MCA (Evening) and M. Tech. (Computer Science) participated in the quiz. Winner was awarded with token of appreciation.

5. Co-curricular/Extracurricular/supports Activities

i. Plantation Programme was organized by the department on Teacher's Day in which more than 50 plants were planted near library and Type A residence by the students and faculty members of the department.

ii. Parent Teacher meeting was organized on 15/11/2019 for all the courses offered by the department i.e. MCA, M.Tech. (Computer Science), MCA (Evening) in the smart classroom of the Department of Computer Science. The parent teacher meeting proved to be good in bridging the gap between the parents and faculty members. Discussion regarding performance of students, awareness of parents regarding departmental activities towards students career endeavors in the field of research, industrial exposure, etc were held in the meeting.

iii. Almuni Meet "ALMA MATER 2020" was organized by the department on 07th March, 2020 in which all the alumni of the department were invited

6. Members/fellowship of professional/ Academic bodies/editorial board

Prof. S. K. Dwivedi

i. Member, **Board of Studies** of Computer Application, UIET, Dr. RML Avadh University, Faizabad (2017-2020)

ii. Member, **Board of Studies** of Computer Sc. and Applications, SRM University, Lucknow

iii. Member **Advisory/Expert committee** at Council of Science & Technology, U.P., Lucknow for evaluation of R & D projects in Information technology

iv. Member, **School Board** of School of Computer Science & Information Technology, Mahatma Gandhi Central University, Motihari, Bihar (2017-2020)

v. Member, Central Purchase Committee, Institute of Engineering & Technology (constituent college of **APJ Abdul Kalam Technical University**), Lucknow (2017)

vi. Member of **Court** (visitor nominee) Nominated by president of India for Assam University (a central University), Silcher (Assam) **2018**

vii. External Expert Member, **DRC**, Department of Computer Science, University of Lucknow, Lucknow

viii. External Expert Member, **Board of Studies** (Computer Science), **A.P.S. University, Reva** (M.P.) (March 2019 onwards, Ref. No. academic/.../2019/425)

ix. **Program Committee Member of** International Conference on Computational Materials Science and Thermodynamic Systems (CMST 2018), University of Cambridge, Cambridge City, United Kingdom, March 2018

x. Invited Member, Research Committee, Dr. APJ Abdul Kalam Technical University, Lucknow

Dr. Narander Kumar

Board of Post Graduate Studies (BPGS), Department of Computer Science, BBAU, Lucknow.

7. Detail of Book Chapter in edited volume

Prof. S. K. Dwivedi

i. Chandra, Ganesh & Dwivedi, Sanjay K. (2020). Term Ordering Based Query Expansion Technique for Hindi-English CLIR System. Handling Priority Inversion in Time-Constrained Distributed Databases, IGI Global, 283-302. **DOI: 10.4018/978-1-7998-2491-6.**

Prof. Vipin Saxena

i. Vipin Saxena "Role of Computer in Social Research", Edited by N.M.P. Verma, Professor, Department of Economics, Title: Relation and Measurement In Research, Routledge, Fracis and Taylor Publisher, pp. 331-338 (2020).

Dr. Narander Kumar

Narander Kumar, Jitendra Samriya, "EAAP: Efficient Authentication Agreement Protocol Policy for Cloud Environment" Published as Chapter in Next Generation Computing Technologies on Computational Intelligence, 4th International Conference, NGCT 2018, November 21-22, 2018, Published by ©Springer Nature Singapore Pte Ltd., 24 November 2019, Springer, Communications in Computer and Information Science (CCIS) Series, Vol. 922, pp.311-320, ISBN: 978-981-15-1717-4, 978-981-15-1718-1 (online) (Scopus Indexed)

Narander Kumar, Surendra Kumar, "Adaptive VM Migration and Allocation Mechanism in Cloud Environment" Published as Chapter in Microservices in Big Data Analytics, 2nd International, ICETCE 2019, Conference date: February 1st-2nd, 2019, Published by

©Springer Nature Singapore Pte Ltd., 27 November 2019, Conf. Name: 2nd International Conference on Emerging Technologies in Computer Engineering (ICETCE 2019) ISBN: 978-981-15-0127-2, 978-981-15-0128-9 (eBook), https://doi.org/10.1007/978-981-15-0128-9

8. Paper Published during the year by the faculty members

Prof. S. K. Dwivedi

i. Chandra, G., & Dwivedi, S. K. (2019). Query Expansion For Effective Retrieval Results of Hindi–English Cross-Lingual IR. Applied Artificial Intelligence, 33(7), 567-593. Impact Factor: 1.172.

ii. VIKRAM, S., & DWIVEDI, S. K. (2019). ANALYSIS WITH VARYING QUESTION SIZE IN QUESTION PAPER TRANSLATION. Journal of Theoretical and Applied Information Technology, 97(15).

iii. Vikram, S., & Dwivedi, S.K. (2019). Impact of Ambiguity: Wh-Questions Versus Other Questions in Question Paper Translation. In Computing and Network Sustainability (pp. 203-210). Springer, Singapore.

iv. Sahu, S., Chandra, G., & Dwivedi, S. K. (2019, November). E-Governance Initiatives and Challenges in the State of Uttar Pradesh. In 2019 International Conference on Cutting-edge Technologies in Engineering (ICon-CuTE) (pp. 108-112). IEEE.

Prof. Vipin Saxena

i. Sneh Lata and **Vipin Saxena**, "**A Efficient Technique for Detection of Fake Currency**" *International Journal of Recent Technology and Engineering (IJRTE)*, Vol - 8, Issue -3, Page No: 1298-1305, ISSN No: 2277-3878 (Online) **June 2019**.

ii. Neetu Singh and **Vipin Saxena**, "Numerical Computing of Frequencies for Rectangular and Square Plates with Transcendental Thickness Variation", **International Journal of Recent Technology and Engineering (IJRTE, Scopus), ISSN (2277-3878), Vol. 8(2), 4017-4030, July 2019.**

iii. Neetu Singh and **Vipin Saxena**, "Numerical Computation of First Three Frequencies for Circular Plate with Transcendental Thickness Variation", **International Journal of Recent Technology and Engineering (IJRTE), ISSN (2277-3878), Vol. 8(6), 4017- 4030, March 2020**

Dr. Deepa Raj

i. Neetish Kumar & Dr. Deepa Raj, "A New Pentagon Search Algorithm for fast Block – Marching Motion Estimation", **International Journal of Innovative Technology and Exploring Engineering (IIJTEE),** Volume-8, Issue 10, August-2019, ISSN: 2278 3075

ii. Dr. Deepa Raj & Anshu Gupta, "Novel Distance Metric for Touch Less Footprint Based Identification Technique", **International Journal of Innovative Technology and Exploring Engineering (IIJTEE),** Volume 9, Issue 03, January, 2020, ISSN: 2278 3075

iii. Dr. Deepa Raj, Anshu Gupta, "Multimodal Biometrics for Personal Identification Using Human Foot Prints: A Review", **Proceedings of second international Conference On Advance Computing and Software Engineering (ICASCE) 2019,** 11 April, 2019.

iv. Dr. Deepa Raj, Bobly Doly," Image Retrieval Based on Color Feature Similarity", Journal of Physics Conference Series, April 2020

Dr. Narander Kumar

i. Narander Kumar, Surendra Kumar, "A Novel scale approach for Load Balancing with Hardware and Software in Cloud and IoT Platform", Published in Journal of Theoretical and Applied Information Technology, Vol. 97, Issue 08, pp. 2370- 2380, April 30th, 2019, ISSN 1992-8645 (Scopus Indexed)

ii. Nareander Kumar, Surendra Kumar, "Dynamic Consolidation of VM Allocation and VM Migration to Optimize Energy Consumption of Cloud Data Centers", Published in International Journal of Engineering and Advanced Technology (IJEAT), Volume-8 Issue-6, pp. 4932-37, August 2019, ISSN 2249- 8958 (Scopus Indexed).

iii. Nareander Kumar, Mayank Awasthi, Surendra Kumar, "Optimal Virtual Machines Placement in Cloud Computing Environment" Published in International Journal of Innovative Technology and

Exploring Engineering (IJITEE), Volume-9 Issue-4, pp. 1280-1285, February 2020, ISSN 2278-3075 (Scopus Indexed).

Dr. Shalini Chandra

R.Verma, S.Chandra, "Security and privacy Issues in fog driven IOT environment", international journal of computer science and engineering, 7.5 (2019), pp:367-370.

9. Attended/participated in Conferences/ seminar/workshop inside Country

Prof. S. K. Dwivedi

i. Workshop on Artificial Intelligence-Machine Learning with Python, 16th to 20th September, 2020 sponsored by ATAL (AICTE Training and Learning Academy, Jaipur).

ii. Online One Week National Workshop on " Best Practices of ICT Tools in Teaching and Learning", 03 to 08th August 2020 organized by Department of Computer and Information Sciences, Jagadguru Rambhadracharya Divyang University, Chitrakoot.

Prof. Vipin Saxena

"Texture Feature Technique for Security of Indian Currency", 3rd *International Conferences on Recent Innovations in Computing* (ICRIC-2020), Organized by Department of Computer Science & Information Technology, Central University of Jammu, J & K., India.

10. Details of invited lectures inside country

Prof. S. K. Dwivedi

i. Key note speaker at one week FDP on advancement of Computer Science, "Research Issues in CLIR, organised by Dept of Computer Science, IET, BR Ambedkar Agra University, Agra, 27th May 2019

ii. Invited talk on "English-Hindi CLIR", on FDP, BBDNITM, Lucknow July 2019

11. Details of patents filled/awarded

Prof. Vipin Saxena

"Step Topology Network" filed with Patent Licensing, Nokia Technology (2020)

Dr. Narander Kumar

Title: A Framework for Multilevel SLA Management for Resource Allocation in Cloud Computing Environment, Published, Intellectual Property India (IPO), Delhi, Filling date: 26-02-2020, Publication date (U/S 11A): 01-05-2020, Application Number: 202011008051.

12. Details related to good governance at the Department level to ensure transparency/ student participation/time bound result, etc

i. Results are timely declared and available on University website.

ii. Data of all currently registered Ph.d. Scholars are available under department section on the University website.

13. Students achievements

I. Faculty wise supervision of the Ph.D. and M.Phil Student/Dissertation and thesis submission/degree awarded

Prof. S. K. Dwivedi

Sl. No.	Research ScholarName	Research Topic	Degree submitted/ awarded	Date of submission/ award
1	Shweta Vikram	Analysis of the Impact of Ambiguityin Question Paper Translation from English to Hindi	Awarded	2018
2	Sachin Sahu	Systematic Study & Analysis of the Impact of E-governance Implemenatations in the State of Uttar Pradesh through case studies of SPST & IGRS portal	Pursuing	2018
3	Rashmi Dixit	Yet to be decided	Pursuing	2019

Prof. Vipin Saxena

Sl. No.	Research ScholarName	Research Topic	Degree submitted/ awarded	Date of submission /award
1	Snehlata	A Study and Analysis of Fake Indian Currency Identification System	Pursuing	2018
2	Jaydip Kumar	To be decided	Pursuing	2018
3	Pawan Kumar	To be decided	Pursuing	2019
4	Bansidhar Chaudhary	To be decided	Pursuing	2019

Dr. Deepa Raj

Sl. No.	Research Scholar Name	Research Topic	Degree awarded/ submitted / Pursuing	Date of Registration / Award
1	Neetish Kumar	Analyzing and Designing a Framework of Video Editing	Pursuing	2018
2	Bably Dolly	A STUDY OF CONTENT BASED IMAGE RETRIEVAL SYSTEM	Pursuing	2018
3	Anshu Gupta	Multimodal Biometric Authentication System Using Human Footprints	Pursuing	2018

Dr. Manoj Kumar

Sl. No.	Research Scholar Name	Research Topic	Degree awarded/ submitted/Pursuing	Date of Registration /Award
1	Mr. Dilip Kumar	Cryptography Based Data Security in Internet of Things	Pursuing	2018
2	Ms. Ruchi Agarwal	Securing Encrypted Images Through Reversible Data Hiding	Pursuing	2018

Dr. Narander Kumar

Sl. No.	Research Scholar Name	Research Topic	Degree awarded/ submitted/Pursuing	Date of Registration /Award
1	Mr. Surendra Kumar	An Adaptive Resource Management Framework for Cloud Computing Environment	Pursuing	2016
2	Mr. Jitendra Kumar Samriya	Analysis and Design of Security Framework for Cloud Computing	Pursuing	2016
3	Ms. AnkitaSrivastava	An Efficacious Resource Management Mechanisms in Cloud Computing	Pursuing	2018

Dr. Shalini Chandra

Sl. No.	Research ScholarName	Research Topic	Degree awarded/ submitted / Pursuing	Date of Registration / Award
1.	Ms. Richa Verma	To be decided	Pursuing	2018
2.	Mr. Arvind Kumar	To be decided	Pursuing	2019

IV. Number of student selected on other government jobs/banking/school teaching etc- 01

V. Number of student awarded SLET/NET/JRF/any other fellowship- 03

VI. Details of the Publications of the students (Books/Article/Books' chapter)- 02

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

The Department of Library and Information Science is functioning in the University since 1997 with the aim to provide up-to-date LIS education to the students through effective teaching and practical training. The department is working with the vision to educate individuals for career as Librarians, Information Professionals, Archivists, Information Scientist and Knowledge Managers. The students are trained in order to undertake instruction, research and service oriented programmes that require current emerging information technological developments and market requirements. Presently the department is offering one year Bachelor of Library and Information Science (BLISc.), one year Master of Library and Information Science (MLISc), M. Phil. and Ph.D. programmes in Library and Information Science. Keeping in view the market demands and employment opportunities for the students, the courses are being restructured at regular intervals. The department has so far produced more than450Library and Information Professionals,35 M.Phil. and 32Ph.D. scholars.

The Department of Library and Information Science has one state-of-the-art Information Technology Laboratory with Personal Computers, Wi-Fi Internet connection, video conference system, smart board, LCD TV, etc, and departmental Library which has collection of 559 books. The projectors are installed in the class rooms, and aims mainly for advanced learning and research. The Department has been established with the following objectives:

i. An understanding and appreciation of vital and pervasive role of Information as an essential tool in all development activities;

ii. An understanding of the application of Information Technology in the handling of information in the libraries and information centres;

iii. Full comprehension of the global nature of information for proper co-operation, co-ordination among the countries;

iv. To equip the students with necessary skills of Information Science, background for Designing, Implementing, Operating and Managing an Information Centre or a Documentation Centre or a Library, pertaining to any field such as R & D, Business & Industry, Media, Academic Institutions & Government Departments, etc.

The students trained under the aegis of the Department are gainfully employed in several Govt. and Private Organizations.

1. Courses Offered

i. BLISc. (Bachelor in Library & Information Science)

ii. MLISc. (Master in Library & Information Science)

iii. M.Phil in Library & Information Science.

iv. Ph.D. in Library & Information Science.

2. Facilities available in the Department

i. Smart Class rooms

ii. Departmental Library

iii. Departmental Laboratory

3. Details of the Faculty

i. Prof. Shilpi Verma

Professor and Head

Qualifications: MLIS, MBA, Ph.D. in Library & Information Sci.

Specialization: Management of Libraries, IT Applications in Libraries, Information Retrieval, User Education, Academic Libraries

Email:shipoo_lko@rediffmail.com; shipoo. lko@gmail.com

ii. Prof. K. L. Mahawar

Professor

Qualifications : MLISc, CIC, Ph. D. (Library & Information Science)

Specialization : Academic Library and Information System, User Services/Needs, Information Sources, System and Programme

Email: mahawar_67@yahoo.co.in, mahawar67@gmail.com

iii. Dr. M. P. Singh

Professor

Qualifications: MLISc, Ph.D.(LIS), M.Com, M. Sc.(IT), M.B.A.

Specialization: Management of Libraries and Information Centers,

Information Technology,

User Studies

Email : mpsinghdlis@gmail.com

iv. Dr. Sharad Kumar Sonker

Assistant Professor

Qualifications: Ph.D.(LIS), PGDCA, MLISc, BSc.

Specialization: IT application to Library and Information services, Digital Libraries, Library Automation

Email : sksonker@yahoo.co.in

v. Dr.Vinit Kumar

Assistant Professor

Qualifications: B.Sc, MLISc, Ph.D. (LIS)

Specialization: Web technology Applications, Text and Data Mining, Research Methods, Information Retrieval

Email: vinitbhu06@gmail.com

4. Details of the Seminar/Conference/ Webinar Organized by the Department

i. Parent Teacher Meeting was organised on 3rd Dec 2019

ii. Organized 70th constitution day on 26.11.19 in BBAU as co-organizing secretary

iii. Organized Naturopathy day in DLIS on 18.11.19 and lecture of MS. Poonam Sharma on benefits of Naturopathy was delievred.

iv. Organised Orientation prog on Yoga on 20th Oct 2019 in DLIS

v. Organised Padhe Lucknow, Badhe Lucknow Campaign in DLIS as directed by Governer, UP on 1st Oct 2019.

5. Other Departmental level Academic Activities

i. Swachatta Abhiyan in DLIS on 21th Jan 2020

ii. Swachatta Pledge organized in DLIS on 16th Jan 2020

iii. Lecture organized in DLIS on the topic ‘‘Evoluation of Document: from clay tablets to dizital media‘‘ on 12th April, 2019 by Prof. M. P. Satija, UGC-Emeritus Fellow, DLIS, Guru Nanak Dev University, Amritsar.

iv. Lecture organized in DLIS on the topic ‘‘Value and Impact of information in the modern society‘‘ on 12th April, 2019 by Prof. M. P. Satija, UGC-Emeritus Fellow, DLIS, Guru Nanak Dev University, Amritsar.

v. Lecture organized in DLIS on the topic ‘‘On line Information service‘‘ on 29th April, 2019 by Prof. Joginder Singh, Chairman, DLIS, Kurukshetra University.

vi. Lecture organized in DLIS on the topic ‘‘Traditional Information Service ‘‘ on 29th April, 2019 by Prof. Joginder Singh, Chairman, DLIS, Kurukshetra University.

vii. Lecture organized in DLIS on the topic ‘‘Integrity in Education & Research ‘‘on 08th May, 2019 by Dr. Manorama Tripathi, Librarian Jawahar Lal Nehru University, New Delhi.

viii. Lecture organized in DLIS on the topic ‘‘Intellectual Property Right: Role of Librarien ‘‘on 08th May, 2019 by Dr. K. P. Singh, University of Delhi, New Delhi.

ix. Lecture organized in DLIS on the topic ‘‘Information User and Information need‘‘ on 21th May 2019 by Prof. N. Laxman Rao, UGC-Emeritus Fellow, DLIS, Osmoria University, Hyderabad.

x. Organised Bag Distribution prog in Ambedkarnagar zone 1 primary school on 4th Oct 2019

xi. Organised Swachatta hi Sewa campaign on 2nd Oct 2019 by doing plantation

xii. Organised Lecture on Information search and discovered using image in the query of Prof. Paul Nieuwenhuysen, Vrije University, Brussels in DLIS on 26th Nov 2019

xiii. Lecture organized in DLIS on the topic Free e-resourses for Ph.D research scholars in the

department on 29th Nov 2019 by Dr. Rajesh singh, Deputy Librarian, Banaras, BHU

xiv. Lecture organized in DLIS on the topic Free e-resourses for Ph.D research scholars in the department on 30th Nov 2019 by Prof. J.N.Gautam, Gwalior

xv. Lecture organized in DLIS on the topic Issues and challenges of Information retrieval system "on 16th Jan 2020 by Prof. Aditya Tripathi, BHU

xvi. Lecture organized in DLIS on the topic ''Information User and Information need" on 23rd Jan 2020 by Prof. H N Prasad, DLIS, Banaras Hindu University, Varanasi

xvii. Lecture organized in DLIS on the topic ''Strucyure of Knowledge Organisation in seleues of Library classification and Information Science" on 06th Fab 2020 by Prof. Bhaskar Mukerjee, DLIS, Banaras Hindu University, Varanasi

6. Co-curricular/Extra-curricular sports Activity by the Department

i. Organized Balika Jagrukta Abhiyan in Aurava villaga on International Day of Girl Child on 11th Oct 2019

ii. Organized village visit and Awareness campaign on 12.3.19 in Aurava village

7. Visitors of Department from inside the Country

i. Prof. H N Prasad, VC, Nalanda Open University, Patna

ii. Prof. Bhaskar Mukerjee, Head, DLIS, BHUreleues

iii. Prof. Aditya Tripathi, BHU

iv. Prof. J N Gautam, Jiwaji University, Gwalior

v. Dr. Rajesh Singh,Deputy Librarian, Banaras

vi. Prof. Paul Nieuwenhuysen, Vrije University, Brussels

vii. Prof. N.Laxman Rao, Osmonia University, Hyderabad

viii. Prof. Joginder Singh, Chairman, DLIS, Kurukshetra University

ix. Dr. Manorama Tripathi, Librarian Jawahar Lal Nehru University, New Delhi.

x. Dr. K. P.Singh, University of Delhi, New Delhi

xi. Prof. M. P. Satija, UGC-Emeritus Fellow, DLIS, Guru Namke Dev University, Amritsar

8. Visitors of Department from outside the Country

Prof. Paul Nieuwenhuysen, Vrije University, (International)

9. Members/Fellowship of Professional/ Academic Bodies/Editorial Bodies

Prof. Shilpi Verma

i. Life Membership of Indian Library Association (ILA) (Membership no. CL-9677)

ii. Life Membership of Indian Association of Special Libraries and Information Centres (IASLIC)

iii. Life Member of Indian Association of Teachers of Libraries & Information Science (IATLIS)

iv. Life Member of Society for Conservation of Wildlife

v. Life Member of Zoological Society of India, (Membership No. S-222(LB)

vi. Life Member of Blue Planet Society, Allahabad

vii. Life Member of Samagra Vikas Welfare Society (SVWS), Lucknow

viii. Member, Research Development Committee University (RDCU), BBAU, Lucknow

ix. Member, School Board, School for Science and Information Technology, BBAU, Lucknow

x. Member, Academic Council, BBAU, Lucknow

xi. Member Secretary, NAAC steering committee

xii. Chairperson, Board of Post Graduate Studies, DLIS, BBAU, Lucknow

xiii. Chairperson, Departmental Reserch Commitee, DLIS, BBAU, Lucknow

Prof. K. L. Mahawar

i. Indian Library Association (ILA) : Life Member

ii. Indian Association of Special Libraries and Information Centres (IASLIC) : Life Member

iii. Indian Association of Teachers of Library and Information Science (IATLIS) : Life Member

iv. Member, Board of Studies, Department of Library and Information Science, Jiwaji University, Gwalior

v. Member, Board of Studies, Department of Library and Information Science, Bundelkhand University, Jhansi.

vi. Member, Board of Governors (BOG), Uttar Pradesh Textile Technology Institute, Kanpur.

vii. Member, Editorial board, ISST Journal of Advances in Librarianship published by Intellectual Society for Socio-Techno Welfare.

viii. Member, Academic Council, BBAU, Lucknow

ix. Member, Library Advisory Committee, GBL, BBAU, Lucknow

x. Member, BPGS, DLIS, BBAU, Lucknow

xi. Member, BPGS, Deptt. of Education, BBAU, Lucknow

xii. Member, BPGS, Deptt of Mass communication and Journalism, BBAU, Lucknow

xiii. Member, IQAC Committee, BBAU, Lucknow

xiv. Member, DRC, DLIS, BBAU, Lucknow

Prof. M. P. Singh

i. Life Member, Indian Library Association (ILA)

ii. Life Member, Indian Association of Special Libraries and Information Centers (IASLIC)

iii. Life Member, Society for the Advancement of Library and Information Science (SALIS)

iv. Life Member, Indian Association of Teachers in Library and Information Science (IATLIS)

v. Member, Special Library Association (SLA) Asian Chapter (Membership No. 83689)

vi. Member, Research Development Committee University (RDCU), BBAU, Lucknow

vii. Member, School Board, School for Science and Information Technology, BBAU, Lucknow

viii. Member, Academic Council, BBAU, Lucknow

ix. Member, Board of Studies (BOS), Department of Library and Information Science, Kumaun University Nainital.

x. Chief Editor, Journal of Information Management (ISSN (Print) = 2348–1765) and (ISSN (Online)=2348 –1773.

xi. Member, Editorial Board, International Journal of Library and Information Management (ISSN=975-878X).

xii. Member, Editorial Board, International Journal of Emerging Trends in Library and Information Society (ISSN=2320-5040).

xiii. Member, Editorial Board, International Journal of Digital Information and Knowledge Management (ISSN=2320-5059).

Dr. S. K. Sonkar

i. Member, Board of Post Graduate Studies (BPGS), BBAU, Lucknow

ii. Member, School Board, School for Science and Information Technology, BBAU, Lucknow

Dr. Vinit Kumar

i. Life time member of Indian Association of Special Libraries and Information Centres (IASLIC), Kolkata.

ii. Life time member of Indian Association of Teachers in Library and Information Science (IATLIS), Patiala.

10. Details of Book written/edited by faculty members

Prof. M. P. Singh

Book

Bhatt, R.K. & **Singh, M.P**. (2019). Ranganathan's Classified Catalogue Code: A Practical Manual. Faizabad: Delhi. Narendra Publishing House. ISBN: 978-93-88668-02-6.

Edited Books

i. Singh, M. P., Jain, P. K., and Debal Kar (2020). **Empowering Libraries with Emerging Technologies for Common Sustainable Future,** New Delhi: **Variety Books Publisher's Distributors.** ISBN : 978-93-81156-69-8

ii. **Singh, M.P. & Sonkar, S.K.** (2019). *Rejuvenating Libraries in Modern Society*, New Delhi: Indu Book Services Pvt. Ltd., ISBN : 978-93-86754-51-6

iii. **Singh, M.P.** & Sonkar, S.K. (2019). *Relevence of Ranganathan's Philosophy in the 21st*

Century. New Delhi. The Book Line. ISBN: 978-93-82524-82-3

iv. **Singh, M.P.** & Sonkar, S.K. (2019). *Transforming Libraries in the 21st Century*. Delhi. Narendra Publishing House. ISBN: 978-93-88668-01-9.

Dr. S.K. Sonkar

i. **Singh, M.P. & Sonkar, S.K.** (2019). *Rejuvenating Libraries in Modern Society*, New Delhi:Indu Book Services Pvt. Ltd., ISBN : 978-93-86754-51-6

ii. **Singh, M.P.**& Sonkar, S.K. (2019). *Relevence of Ranganathan's Philosophy in the 21st Century.* New Delhi. The Book Line. ISBN: 978-93-82524-82-3

iii. **Singh, M.P.** & Sonkar, S.K. (2019). *Transforming Libraries in the 21st Century*. Delhi. Narendra Publishing House. ISBN: 978-93-88668-01-9.

11. Details of Book Chapters in edited volume

Prof. Shilpi Verma

i. Gupta, Shreya, **Verma, Shilpi** (2019) Evaluation of Quality of Web-Based Library Services in Institute of Microbial Technology (CSIR-IMTECH), Chandigarh: A Study. Emerging Trends for SMART Libraries" (Vol. 1) Ed. Sonal Singh *et.al.*, Shree Publishers and distributors, New Delhi. ISBN: 978-81-8329-911-4 Pg. 672- 685

ii. Gupta, Shreya, **Verma, Shilpi** (2019) Online Information Review: A Bibliometric Study. Innovative Librarianship through ICT Tools and Technology. Ed. Manoj Kr. Verma et.al. Shree Publishers and distributors, New Delhi. ISBN: 978-81-8329-971-8 Pg. 172-181

Prof. M. P. Singh

i. Bharati, V.K., **Singh, M.P.,** Gautam S.K. and Pandey, S.K. (2020) Indian Contribution to Big Data: A Scientometric Study. Proceeding of the 8th I-LIPS 2019 on Empowering Libraries with Emerging Technologies for Common Sustainable Future (pp 424-431). Babasaheb Bhimrao Ambedkar University, Lucknow, 22nd-24th Nov. 2019, ISBN : 978-93-81156-69-8.

ii. **Singh, M.P.,** Bharati, V.K., Rai, S. & Dixit, S. (2020). Library Makerspace: An Innovation in Library & Information Services [Conference session]. 9th International Library and Information Professional Summit (I-LIPS 2019) on Academic Libraries: Latest Trends, Challenges and Opportunities, India.

iii. **Singh, M.P.** & Rai, S. (2020). Online Education During Lockdown through e-learning. Online Education in the Changing Times: Problems & Prospects, India.

iv. Rai, S. & **Singh, M.P**. (2020). Plagiarism and How to avoid it in Higher Education Institutions [Conference session]. International Conference on Digital Learning & Innovations in Libraries, India.

v. Bharati, V. K. and **Singh, M. P**.(2019). Equitable Access to Government Information and Data Role of Government and Public Libraries in South Asia. In Ramesh C.Gaur, Kumar Sanjay, Ajit Kumar and Mukesh Kumar (Eds.), Proceeding of the International Conference on Equitable Access to Government Information and Data Role of Government and Public Libraries in South Asia (EAGID-GPL 2019 (pp. 421-430). New Delhi: Central Govt. Library Association , Delhi Organised by CGLA, IGNCA, IFLA-Asia and Oceania at IGNCA Auditorium New Delhi during 17th-19th Oct. 2019. (ISBN: 978-81-927360-10).

Dr. S. K. Sonkar

i. Sonkar, S.K.(2019). Rejuvenating Libraries in the 21st century. Rejuvenating libraries in modern society. *Edited by Singh M.P. and Sonkar, S.K.*- New Delhi: Indu Book service. Pp.1-6. *ISBN: 978-93-86754-51-6*

ii. Sonkar, S. K., Aslam, S. and Choudhary, D. (2019).Awareness and use of Open Access Resources among faculty members and students of Babasaheb Bhimrao Ambedkar University: A Study. Lucknow: Published in proceeding in 2nd National Conference on Development of Digital Libraries in IPR Regime, pp. 107-115. ISBN 978-81-923638- 4-4.

iii. Swati Gupta and Sonker S.K. (2019) Bibliometric mapping of research productivity of presidency university: A study in proceeding in 2nd National Conference on Development of Digital Libraries

in IPR Regime, pp. 56-67. ISBN 978-81-923638-4-4.

iv. Sana Aslam and Sonkar, S.K. (2019) Journey of Web 2.0 to Web 3.0. Empowering Libraries with Emerging Technologies for Common Sustainable Future edited by Singh, M. P.; Jain, P. K. and Kar, Debal - New Delhi: Variety books publisher and distributor.pp.473.482.ISBN: 978-93-81156- 69-8.

v. Gupta, S. Sharma, R. and Sonkar, S.K.(2019) Mapping the Research Productivity of University of Calcutta: A Study. Empowering Libraries with Emerging Technologies for Common Sustainable Future edited by Singh, M. P.; Jain, P. K. and Kar, Debal - New Delhi: Variety books publisher and distributor.pp.473.482.ISBN: 978-93-81156-69-8

Dr. Vinit Kumar

i. **Kumar, Vinit** and Shukla, Akhandanand (2020), "Collaborative Authoring Platforms for Scholarly Communications: An Overview, in proceedings of National Conference on Digital Scholarship-NCDS-2020 organized by Central University of Tamil Nadu on 4th March 2020.

ii. Yadav, Sheel Bhadra and **Kumar, Vinit** (2019), "Content Analysis of Library Portals of National Law Universities in India : a study" In, Bajpai, M.K. "Development of Digital Libraries in IPR Regime" organized by Dr Ram Manohar Lohia National Law University, Lucknow 2019. ISBN: 978-81-923638-4-4.

12. Paper published during the year by the faculty members

I. Paper Published in International Journals:

i. Devi, Gulab and **Verma, Shilpi** (2020). Status of health literacy among rural women to Community Health Centre of Sagar Region: A Survey in Indian Journal of Public Health Research & Development. Vol 11. Issue 4, April 2020 ISSN-09765506 Pp.573-577

ii. Bhaduaria, Ambika and **Verma, Shilpi** (2019). Status of Library & Information Science Education in its colleges affiliated to University of Luckow, Lucknow: A Study in International Journal of Research in Social Sciences. Vol 9. Issue 5 (1), May 2019 ISSN- 2249-2496 Pg. 184-189

iii. Kavita, **Verma, Shilpi** (2019). Information search strategies of research scholars of Physical sciences for Library Vs Internet in BBAU, Lucknow: A comparative study in Journal of Research in Social Sciences. Vol 9. Issue 5 (1), May 2019 ISSN-2249-2496 Pg. 176-183

iv. Omprkash Kumar Jigyshu and **Prof. K. L. Mahawar** (2020). Use and Satisfaction Level of Web Based Services among Library and Information Science Research Scholars' of Babasaheb Bhimrao Ambedkar University Lucknow, Uttar Pradesh. Compliance Engineering Journal. Volume 11 Issue 3, pp. 52-59, ISSN: 08983577

v. **Dr. K. L. Mahawar** and Pratibha (2019). Newly Admitted Students Experienced During Their First Attempt to Use Gautam Buddha Library, Babasaheb Bhimrao Ambedkar University, Lucknow: A Study of Their Anxiety. International Journal of Research in Social Science. Volume 9 issue 5(1), pp. 278-286, ISSN: 2249-2496

vi. **Prof. K. L. Mahawar** and Neeraj Kumar (2019). Collection Development and services in the Library of School of Management Science Varanasi Affiliated to AKTU: A Study. An International Multisisciplinary Quarterly Research Journal. Volume 8 issue 2, pp. 113-122, ISSN: 2277-5730,

vii. **Singh, M. P**. & Bharati, V. K. (2020). Indian Contribution on Antibiotic Resistance: A Bibliometric Mapping and Visualization. Library Philosophy and Practice (e-journal). 4095. https://digitalcommons.unl.edu/ libphilprac/4095 (ISSN-1522-0222)

viii. Bharati, V.K. & **Singh, M. P.** (2020). Global Research Productivity on Coronavirus: A Bibliometric Mapping and Visualization. Library Philosophy and Practice (e-journal). 4061. https://digitalcommons.unl.edu/ libphilprac/4061 (ISSN-1522-0222)

ix. Saini, M. & **Singh, M. P.** (2019) Impact of Outsourcing in Some State University Librariesof Lucknow: A Study. *International Journal of Research in Social Science*.9. Issues 5(1), pp.1-8. ISSN: 2249-2496.

x. Bharti, Vijay Kumar & **Singh, M.P**. (2019) Rejuvenating Libraries from the Cloud: A

Bibliometrics Analysis of Cloud Computing. *Library Philosophy and Practice* (e-journal). ISSN-1522-0222

xi. Kumari, N. & **Singh, M. P.** (2019) Use of Mobile Application for Academics and the Research scholars of Babasaheb Bhimrao Ambedkar University, Lucknow: A Study. *International Journal of Research in Social Science*.9. 5(1), pp.240-247. ISSN: 2249-2496.

xii. **Gond, S., Sonkar, S.K., Malik, F.A** (2019) Krishi Vigyan Kendra Libraries in India: Training Implementation Facilities, Services, and Awareness of Library Users. World Digital Libraries 12(2): 1–14. DOI: 10.18329/09757597/2019/12206

xiii. **Gupta, S.; Kumari, B.; Aslam, S.; and Sonker, S. K. (2019),** "Strategies to cope up the problems of university libraries in Lucknow: A Study". Library Philosophy and Practice (e-journal). 2820. https:// digitalcommons.unl.edu/libphilprac/2820

xiv. **Gupta, S. and Sonker, S. K. (2019),** Research productivity of university of Mumbai. Library progress (International), 29(2), 274-284. http:// dx.doi.org/10.5958/2320- 317X.2019.00030.8

xv. Pandey, Rahul and **Kumar, Vinit** (2020), "Exploring the Impediments to Digitization and Digital Preservation of Cultural Heritage Resources: A Selective Review", Preservation, Digital Technology & Culture, Vol 49(1), p. 26-37.

xvi. **Kumar, Vinit** and Yadav, Sheel Bhadra(2020), "How efficient are university library portals of NIRF ranked Indian universities", DESIDOC Journal of Library & Information Technology, Vol 40 Iss: 1, pp 351-358, (ISSN: 0976-4658).

II. Papers published in National Journal

i. Kanojia, Neha and **Verma, Shilpi** (2020). "Gautam Buddha Kendriya Pustakalay ke upyogkartao ki open access journal par avdharna: A Survey" Radha Kamal Mukherjee: Chintan Parampara Vol 1. June 2020, ISSN 0974-0074, Pp. 62-68

ii. Gangwar, Rashmi and **Verma, Shilpi** (2019). "Gautam Buddha Kendriya Pustakalay BBAU Lucknow me digital sewayao aur suvidhyao ke sath upyogkarta ki santusti : Ek Adhyyan" Radha Kamal Mukherjee: Chintan Parampara Vol 2. June 2019, ISSN 0974-0074, Pp. 69-75

iii. Devi, Gulab and **Verma, Shilpi** (2019). "Madhya Pradesh ke gwaliyar jile ki gramid mahilao ki swasthay sithti: Ek Tulnatamak Adhyyan" Radha Kamal Mukherjee: Chintan Parampara Vol 2. June 2019, ISSN 0974-0074, Pp. 76-83

iv. Bharati, V.K., & **Singh, M.P.** (2020). Mapping and Visualization Analysis of Plagiarism Research. Shodh Sanchar Bulletin: An international multidisciplinary quarterly bilingual peer reviewed refereed research journal, 10(38), 25-29 (ISSN: 2229-3620)

13. Paper published in International Conference

Prof. Shilpi Verma

i. Devi, Gulab and **Verma, Shilpi** and Singh, Krishan Pal (2020)**: "Impacts of Mobiles Technology application in library and Information Science: An Overview"** International conference on Managing Libraries: Sustaining excellence through innovation, technology and repositioning Chief editor M.K. Singh, Dr. Tariq Ashraf, Dr. Raj Kumar Bhardwaj and Dr. S.S. Dhaka by Asian Library Association New Delhi, Indian Institutes of Management, Lucknow 2020 ISBN:978-81-934825-2-0

ii. Gangwar, Rashmi and **Verma, Shilpi** and Singh, Krishan Pal (2020): **"Probable Cyber Threats, its implications & user's best practice in Libraries"** International conference on Managing Libra ries: Sustaining excellence through innovation, technology and repositioning Chief editor M.K. Singh, Dr. Tariq Ashraf, Dr. Raj Kumar Bhardwaj and Dr. S.S. Dhaka by Asian Library Association New Delhi, Indian Institutes of Management, Lucknow 2020 ISBN:978-81-934825-2-0

14. Attended/Participated in Conference/seminar /workshop inside Country

Prof. Shilpi Verma

i. As Patron: 8th International library and Professional Summit (I-LIPS 2019) on Empowering Libraries with Emerging Technologies for Common Sustainable Future at Babasaheb Bhimrao Ambedkar University, Lucknow, 22-24 Nov. 2019.

ii. **Session chaired** in 8th International library and Professional Summit (I-LIPS 2019) on Empowering Libraries with Emerging Technologies for Common Sustainable Future at Babasaheb Bhimrao Ambedkar University, Lucknow, 22-24 Nov. 2019.

iii. **As a Keynote Speaker:** Delivered Keynote Talk on Use & Access of E-resources in symposium on Use and Access of E-resources in Maharaja Bijli Pasi Govt. P G College, Lucknow on 29/2/ 2020

iv. **As a Panellist and Plenary talk Speaker** Delivered talk on Libraries as Social Hub 27th feb. in Managing Libraries: Sustaining Excellence through Innovation, Technology and Repositioning 4thInternational Conference of Asian Libraries organized by Asian Libarry Association and IIM, Lucknow Library from 26 to 28th Feb. 2020

v. **As a Convener of the Prog.** delivered a talk on Women in Science in Celebration of National Science Day on 28th Feb 2020 at BBAU as a convener of programme

vi. **As a Invited Speaker** delivered two talks on " Understanding the publication process and data collection and presentation " in ICCSR sponsored Reserch Methodology Workshop in Social Sciences on 22nd Feb 2020 in LM Mithila University, Dharbhanga.

vii. **As a Guest of Honour** delivered a talk on Matrabhasha in Matrabhasha diwas prog org by BBAU, Lucknow on 20th Feb 2020.

viii. **As a Keynote Speaker** delivered a talk on Reaching out to all, Best Practices, Challenges and opportunities in 4th NACML-2020 (National Conference on Management of Modern Libraries - NACML) on the theme "Reaching Out Users in the Digital Era: Opportunities and Challenges" organized by SEARCH–The KMC Health Sciences Library and Department of Library and Information Science, Manipal Academy of Higher Education, Manipal on 10-11, January 2020

ix. **As a Chief Guest** delivered a talk on "Open Source Software in Libraries: Special Reference to Koha" as Chief Guest in Three Days National Workshop on Open Source Library Management Software (Koha) on December 19th, 2019 organised by IIT, Jammu Library.

x. **As a Member Expert Committee** Attended 2nd Phase of Curriculum Reform Workshop under RUSA 2 Prog from 23rd to 25th Sep 2019 at Jammu University, Jammu

xi. **As a Invited Speaker** delivered a talk on "Hindi and Science" in Hindi pakwada in NIPER on 12th Sep. 2019

xii. Participated in slumawareness camp on 8th march 2020 in Rajni khand slum by Gender champions committee and committee of basic facilities of women.

xiii. Participated in National Science Day on theme Women in Science on 28th Feb 2020 as convener of the prog by BBAU

xiv. Participated in Interactive session for students by IQAC on 25th Feb 2020

xv. Participated as Patron of the 8th International Library & Information Professionals Submit (I LIPS 2019) organised by DLIS, BBAU, & SLP, LU, RML Uni from 22nd to 24th Feb 2020

xvi. Participated in Awareness camp in rajnikhand slum on 24th Jan 2020 on the occasion of National Girl child Day by Gender Champions committee

xvii. Participated in swachatta abhiyan in DLIS on 21st Jan 2020

xviii. Participated in Meghalaya Diwas on 21st Jan 2020 by EBSB team

xix. Participated in plantation drive on 17th Jan 20 under swachatta pakwada

xx. Swachatta pledge organized in DLIS on 16th Jan 2020

xxi. Participated in constitution of students club under EBSB as convener on 7th Jan 2020

xxii. Participated in interactive session with faculty reg NAAC Accreditation on 2nd & 3rd Jan 2020 by IQAC, BBAU being member secretary of committee.

xxiii. Participated in Parent Teacher Meeting on 3rd Dec 2019 by DLIS being HOD

xxiv. Participated in Run for Gender Equality on 29 Nov. 20 by Gender Champions committee

xxv. Participated in 70th constitution day on 26 Nov 19 in BBAU as co-organizing secretary

xxvi. Participated in poster competition and essay writing competition on the topic creating positive gender socialization 19 Nov. 19 by Gender Champions committee

xxvii. Participated in Naturopathy day in DLIS on 18 Nov. 19 and lecture of MS Poonam Sharma on benefits of Naturopathy.

xxviii. Participated in Orientation Prog. on Yoga session on 20 Oct 2019 in DLIS

xxix. Participated in Balika Jagrukta Abhiyan in Aurava villaga on International Day of Girl Child on 11 Oct 2019.

xxx. Participated in Swachatta hi Sewa campaign on 2nd Oct 2019 by doing plantation

xxxi. Participated in Padhe Lucknow, Badhe Lucknow Campaign in DLIS as directed by Hon'ble Governer, UP on 1st Oct 2019.

xxxii. Participated in Workshop on "Reducing our Water Footprints" and screening of flim on Plastic organized 13.9.19 under Swachatta Pakwada

xxxiii. Participated in village visit on 11.9.20 in Miranpur Pinvat village and cloth bags distribution under UBA on 11.9.2019

xxxiv. Participated in Gender sensitization prog. organized in all boys and girls hostels from 26th Aug to 31st Aug 2019

xxxv. Participated in Anti Ragging Sensitization prog at Yasodara and Chitarlekha girls hostels on 9th Aug 2019 from anti ragging committee

xxxvi. Participated in Anti Ragging Sensitization prog at Shanghmitra girls hostels on 7th Aug 2019 from anti ragging committee

xxxvii. Participated in Orientation Programme on 19.7.2020 by IGB for newly admitted students, as a convener of the programme

xxxviii. Participated in Workshop on Personality development and stress management on 26th April 2019 by NCC & IGB

xxxix. As a NAAC Assessor Attended NAAC Assessors Training on 30th April 2019 at IIIT, Allahabad org by NAAC, Bangalore.

Prof. K. L. Mahawar

i. Aattended and presented paper on ''Awareness about Facilities rendered by RRRLF to Public Libraries among LIS Research Scholars in Lucknow: A Study, at National Conference on Revisiting Public Library Services in Curent Scenario' (NCRPLS-2019) held at Department of Library and Information science, University of Rajasthan, Jaipur on 12th-13th October, 2019.

ii. Attended and presented paper on ''Research Productivity of Biotectnology: A Bibliometric Analysis" at the 8th International Conference on Library and Information Professionals Summit (I-LIPS 2019) held at Atal Bihari Vajpayee Auditorium, Babasaheb Bhimrao Ambedkar University, Lucknow on November 22nd-24th, 2019.

iii. Chaired a Technical Session at National Conference on Revisiting Public Library Services in Curent Scenario' (NCRPLS-2019) held at Department of Library and Information science, University of Rajasthan, Jaipur on 12th-13th October, 2019.

iv. Chaired a Technical Session at the 8th International Conference on Library and Information Professionals Summit (I-LIPS 2019) held at Atal Bihari Vajpayee Auditorium, Babasaheb Bhimrao Ambedkar University, Lucknow on November 22nd-24th, 2019.

Prof. M. P. Singh

i. **As Chairman and Convener :** 8th International library and Professional Summit (I-LIPS 2019) on Empowering Libraries with Emerging Technologies for Common Sustainable Future at Babasaheb Bhimrao Ambedkar University, Lucknow, 22nd-24th Nov. 2019.

ii. **Session chaired** in 9th International Library and Information Professional Summit (I-LIPS 2020) on Academic Libraries: Latest Trends, Challenges and Opportunities, India. 2020, February 14th-16th.

Dr. S. K. Sonkar

i. Attended 9th International Library and Information Professional Summit (I-LIPS 2020) on Academic Libraries: Latest Trends, Challenges and Opportunities, India. 2020, February 14th-16th.

ii. Attended UGC and RUSA 2.0 Sponsored National seminar on sustainable Library organised by DLIS, Jadavpur University, kolkata held at Dr.K.P. Basu memorial Hall, jadavpur university kolkata during 24th-25th January, 2020.

iii. 8th International library and Professional Summit (I-LIPS 2019) on Empowering Libraries with Emerging Technologies for Common Sustainable Future at Babasaheb Bhimrao Ambedkar University, Lucknow, 22nd-24th Nov. 2019

iv. National Training programme for Library professionals of SAU, CusDUs and ICAR Insitutes on Implementation of KOHA and creation of User friendly Interface-OPAC" organised by National Knowledge management centre for agricultural education and Research under innovation Grants of NAHEP at ICAR-Indian Veterinary Research Institute, Izatnagar from 15th-16th November, 2019.

v. Attended National seminar on Academic libraries: strategies for sustainable development in ICT Era jointly organised by Yagyavalkya Granthalaya, Prayagraj on 29th June, 2019.

vi. National Conference on professional Ethics of Library Developmenet and services organised by Dr. Ranganathan Rajya Pustkalay Samiti, muzaffarpur and Library Professional Association, New Delhi held at L.N.Mishra College of Business Management, Bhagwanpur chowk, muzaffarpur, Bihar, during 20th April, 2019.

Dr. Vinit Kumar

Dr Vinit Kumar successfully completed the **ARPIT Course for Career Advancement Scheme (CAS) promotion** "Emerging Trends & Technologies in Library & Information Services" with a "B" Grade in the proctored examination held on 16.02.2020 from the Indian Institute of Technology, Delhi.

15. Attendant Participated in Conference/ Seminar/Workshop outside Country

Prof. K. L. Mahawar

Goria, Sunil, Bihani, Sanjay K., and **Mahawar, K. L. (2019)**. Empowering Indian Citizens under Digital India Program for Sustainable Development: How Libraries can contribute to SDG? In 85th World Library and Information Congress (WLIC), International Federation of Library Associations and Institutions (IFLA), 24–30 August, 2019 held at Athens, Greece.

16. Detail of invited lecture inside Country

Prof. Shilpi Verma

i. Verma, Shilpi (2020) has delivered seven lectures to students of MLIB in DLIS, Jadavpur University, Calcutta focused on Public Libraries as **Visiting Fellow under RUSA** from 1st March 2020 to 7th March 2020

ii. Verma, Shilpi (2020) has delivered a talk on" **Libraries as Social Hub**" under the 75 years celebration of department in DLIS, Calcutta university, Calcutta on 5th march 2020

iii. Verma, Shilpi (2020) has delivered a talk on " **Reaching out to all**" in Jadavpur university, central library on 4th march 2020

iv. Verma, Shilpi (2020) has delivered a Keynote Talk on **Use & Access of E-resources** in symposium on Use and Access of E-resources in Maharaja Bijli Pasi Govt. P G College, Lucknow on 29/2/ 2020

v. Verma, Shilpi (2020) has delivered a talk on **Women in Science** in Celebration of National Science Day on 28th feb 2020 at BBAU as a convener of programme

vi. Verma, Shilpi (2020) took part in **panel discussion** in ICAL-2020 on LIS education and repositioning on 27th feb 2020 at IIM, Lucknow in Managing Libraries: Sustaining Excellence through Innovation, Technology and Repositioning 4thInternational Conference of Asian Libraries organized by Asian Libarry Association and IIM, Lucknow Library from 26th to 28th Feb. 2020

vii. Verma, Shilpi (2020) has delivered a Plenary talk on **strategies for making libraries as social hub** in ICAL 2020 at IIM Lucknow on 27th Feb 2020 in Managing Libraries: Sustaining Excellence through Innovation, Technology and Repositioning 4th International Conference of Asian Libraries organized by Asian Libarry Association and IIM, Lucknow Library from 26th to 28th Feb. 2020

viii. Verma, Shilpi (2020) has delivered a talk on **role of students in NAAC Accrediation** in a prog organized by IQAC, BBAU, Lucknow on 25th Feb 2020

ix. Verma, Shilpi (2020) has delivered two talks on "**Understanding the publication process and data collection and presentation** "in ICCSR sponsored Reserch Methodology Workshop in Social Sciences on 22nd Feb 2020 in LM Mithila University, Dharbhanga.

x. Verma, Shilpi (2020) has delivered a talk on **Matrabhasha** in Matrabhasha diwas prog org by BBAU, Lucknow on 20th Feb 2020.

xi. Verma, Shilpi (2020) has delivered a talk on **Reaching out to all, Best Practices, Challenges and opportunities** in 4th NACML-2020 (National Conference on Management of Modern Libraries - NACML) on the theme "**Reaching Out Users in the Digital Era: Opportunities and Challenges**" organized by SEARCH – The KMC Health Sciences Library and Department of Library and Information Science, Manipal Academy of Higher Education, Manipal on 10th-11th, January 2020

xii. Verma, Shilpi (2019) has delivered a talkon "**Open Source Software in Libraries: Special Reference to Koha**" as Chief Guest in Three Days National Workshop on Open Source Library Management Software (Koha) on December 19th, 2019 organised by IIT, Jammu Library.

xiii. Verma, Shilpi (2019) has delivered a talk on "**Common Sustainable future of Libraries** on 23th nov 2020 in ILIPS-2019 organised by DLIS, BBAU

xiv. Verma, Shilpi (2019) has delivered a talk on " **How to be more competitive**" in Crash course of RCA, BBAU, Lucknow on 15th Nov 2019

xv. Verma, Shilpi (2019) has delivered a talk on "**Hindi and Science**" in Hindi pakwada in NIPER on 12th Sep 2019

Prof. M. P. Singh

i. 9th International Library and Information Professional Summit (I-LIPS 2020) on Academic Libraries: Latest Trends, Challenges and Opportunities, India. 2020, February 14-16.

ii. Delivered lectures in National webinars at different parts of the country.

Dr. S. K. Sonkar

i. Session chaired in 9th International Library and Information Professional Summit (I-LIPS 2020) on Academic Libraries: Latest Trends, Challenges and Opportunities, India. 2020, February 14-16.

ii. Invited talk on IT applications in Libraries in 9th International Library and Information Professional Summit (I-LIPS 2020) on Academic Libraries: Latest Trends, Challenges and Opportunities, India. 2020, February 14-16.

iii. Session chaired in the UGC and RUSA 2.0 Sponsored National seminar on sustainable Library organised by DLIS, Jadavpur University, kolkata held at Dr.K.P. Basu memorial Hall, jadavpur university kolkata during 24-25 January, 2020.

iv. Invited talk on Recent trends in library and Information centres In the UGC and RUSA 2.0 Sponsored National seminar on sustainable Library organised by DLIS, Jadavpur University, kolkata held at Dr.K.P. Basu memorial Hall, jadavpur university kolkata during 24-25 January, 2020.

v. Invited talk on E-resources and Discovery Tools in the 8th International library and Professional Summit (I-LIPS 2019) on Empowering Libraries with Emerging Technologies for Common Sustainable Future at Babasaheb Bhimrao Ambedkar University, Lucknow, 22-24 Nov. 2019.

vi. Invited talk on Koha Administration in the National Training programme for Library professionals of SAU, CusDUs and ICAR Insitutes on Implementation of KOHA and creation of User friendly Interface-OPAC "organised by National Knowledge management centre for agricultural education and Research under innovation Grants of NAHEP at ICAR-Indian Veterinary Research Institute, Izatnagar from 15th-16th November, 2019.

vii. Invited talk on Koha Acquisition in the National Training programme for Library professionals of SAU, CusDUs and ICAR Insitutes on Implementation of KOHA and creation of User friendly Interface- OPAC "organised by National Knowledge management centre for agricultural education and Research under innovation Grants of NAHEP at ICAR-Indian Veterinary Research Institute, Izatnagar from 15-16 November, 2019.

viii. Invited talk on Koha Circulation in the National Training programme for Library professionals of SAU, CusDUs and ICAR Insitutes on Implementation of KOHA and creation of User friendly Interface-OPAC“ organised by National Knowledge management centre for agricultural education and Research under innovation Grants of NAHEP at ICAR-Indian Veterinary Research Institute, Izatnagar from 15th-16th November, 2019.

ix. Invited talk on Koha cataloguing in the National Training programme for Library professionals of SAU, CusDUs and ICAR Insitutes on Implementation of KOHA and creation of User friendly Interface-OPAC“ organised by National Knowledge management centre for agricultural education and Research under innovation Grants of NAHEP at ICAR-Indian Veterinary Research Institute, Izatnagar from 15th-16th November, 2019.

x. Invited talk on Koha Serials in the National Training programme for Library professionals of SAU, CusDUs and ICAR Insitutes on Implementation of KOHA and creation of User friendly Interface-OPAC“ organised by National Knowledge management centre for agricultural education and Research under innovation Grants of NAHEP at ICAR-Indian Veterinary Research Institute, Izatnagar from 15th-16th November, 2019.

xi. Invited talk on Online public access catalogue in the National Training programme for Library professionals of SAU, CusDUs and ICAR Insitutes on Implementation of KOHA and creation of User friendly Interface-OPAC “organised by National Knowledge management centre for agricultural education and Research under innovation Grants of NAHEP at ICAR-Indian Veterinary Research Institute, Izatnagar from 15th-16th November, 2019.

xii. Invited talk on E-resource Management : an overview in the national seminar on Academic libraries: strategies for sustainable development in ICT Era jointly organised by Yagyavalkya Granthalaya, Prayagraj on 29th June, 2019.

xiii. Session Chaired In the National Conference on professional Ethics of Library Developmenet and services organised by Dr. Ranganathan Rajya Pustkalay Samiti, muzaffarpur and Library Professional Association, New Delhi held at L.N.Mishra College of Business Management, Bhagwanpur chowk, muzaffarpur, Bihar, during 20th April, 2019.

Dr. Vinit Kumar

i. **Dr Vinit Kumar** delivered invited lectures on topic“National and International MOOC initiatives and Educational resources” in the UGC sponsored **Short Term Course on MOOCs, E-Content Development and Open Educational Resources** on 5th March 2020.

ii. **Dr Vinit Kumar** delivered invited lectures on topic“Creating Immersive Infographics for Impactful Teaching” in the UGC sponsored **Short Term Course on MOOCs, E-Content Development and Open Educational Resources** on 5th March 2020.

iii. **Dr Vinit Kumar** delivered invited lectures on topic“Using Google Classroom for Digital Learning” in the UGC sponsored **Short Term Course on MOOCs, E-Content Development and Open Educational Resources** on 6th March 2020.

iv. **Dr Vinit Kumar** delivered invited lectures on topic“Delivering Educational Resources Using the Canvas Learning Management System” in the UGC sponsored **Short Term Course on MOOCs, E-Content Development and Open Educational Resources** on 6th March 2020.

v. **Dr Vinit Kumar** delivered invited lecture on “Doing an Effective Literature Search” in the **PhD Course work programme** of Bundelkhand University, Jhansi on 4th March 2020.

vi. **Dr Vinit Kumar** delivered invited lecture on “Writing Thematic Literature Review” in the **PhD Course work programme** of Bundelkhand University, Jhansi on 4th March 2020.

17. Details of National Awards/Fellowship

i. **Verma, Shilpi** (2019) **Sardar Patel Glocal award for Social Awareness** during International Conference on Environment and Society (ICES-2020) jointly org by GESA, Govt PG college, Saidabad & ABRF, Kanpur on 22nd and 23rd Dec 2019

ii. **Verma, Shilpi** (2019) **Dr. Sarvepalli Radhakrishan Education Promotion Award** for

commendable contribution in the field of inspiring works in Education by Glocal Environment & Social Association (GESA) during the Global conference on 21st May 2019 at BSI, Prayagraj.

iii. **Verma, Shilpi** (2020) Babasaheb Bhimrao Ambedkar University,Lucknow presents **Gaurav Samman** in Alumni Meet on the occasion of Foundation Day on 10th-11th Jan 2020

iv. **Sonker, S. K.** Received Excellence in reviewing award by Defence Research and Development Organisation, New Delhi

v. **Sonker, S. K.** Received Best speaker Award in the One day Seminar on Padma Shri Dr. S.R. Ranganathan: pragmatic Philosopher organised by Jiwaji University, Gwalior on September 09, 2019.

18. Details of related to Good Governance at the Department level to ensure transparency/ student participation/time bound results etc.

i. The answer sheets are being shown to students before finalising their grades

ii. Various committees like Anti Ragging committee; cultural committee etc is made at department level

iii. Mentor and student relationships are being maintained in the department

19. Students Achievements

I. Faculty wise supervision of the Ph. D and M. Phil. Student/Dissertation and thesis submission/degree awarded

Prof. Shilpi Verma

1. Ph.D.: Pursuing-07 Awarded-02
2. M. Phil: Pursuing-00 Awarded-02

Prof. K. L. Mahawar

1. Ph.D.: Pursuing-08 Awarded-00
2. M.Phil.: Pursuing-00 Awarded-02

Prof. M. P. Singh

1. Ph.D.: Pursuing-05 Awarded-01
2. M.Phil.: Pursuing-00 Awarded-02

Dr. S. K. Sonkar

1. Ph.D.: Pursuing-03 Awarded-02
2. M.Phil: Pursuing-01 Awarded-01

Dr. Vinit Kumar

1. Ph.D.: Pursuing- 04 Submitted-00
2. M. Phil: Pursuing-01 Awarded-01

II. Accomplishment of the students.

- **Number of student completed their Master/ Graduation/Diploma….**
- **MLIS-20Master**
- **M.Phil-01Master**
- **Number of student selected in civil services (UPSC/UPPSC)**
- **Details of students selected for teaching in higher education.**
- **Number of student pursuinghigher education**
- **Number of student selected on other government Jobs/bank/banking/School teaching etc**
- **Number of student awarded SLET/NET/JRF/ any other fellowship**

  UGC-NFSC-03

  UGC-NFST-01

  UGC-JRF-02

  UGC-Net-04

- **Details of the Publications of the student (Books/Article/Books 'chapter)**

Prof. Shilpi Verma

Sr. No.	Student's Name	Book	Book Chapter	Paper in UGC Listed Journals
1.	Gulab Devi			Status of health literacy among rural women to CommunityHealth Centre of Sagar Region: A Survey in Indian Journal of Public Health Research & Development.
2.	Amika Bhadauria			Status of Library & Information Science Education in itscolleges affiliated to University of Luckow, Lucknow: A Study in International Journal of Research in Social Sciences.
3.	Kavita			Information search strategies of research scholars of Physical sciences for Library Vs Internet in BBAU, Lucknow: A comparative study in Journal of Research in Social Sciences.
4.	Neha Kanojia			Gautam Buddha Kendriya Pustakalay ke upyogkartao ki open access journal par avdharna: A Survey
5.	Gulab Devi			Madhya Pradesh ke gwaliyar jile ki gramid mahilao ki swasthay sithti: Ek Tulnatamak Adhyyan
6.	Rashmi Gangwar			Gautam Buddha Kendriya Pustakalay BBAU Lucknow me digital sewayao aur suvidhyao ke sath upyogkarta ki santusti : Ek Adhyyan

- **Any other special achievement recorded by the Student**

i. Ms. Satakshi Pandey (M. Phil Scholar) qualified UGC-NET-2019

ii. Ph. D. Scholar Ms. Gulab Devi Selected in MP Public Service Commission as Librarian.

iii. Ph. D. Scholar Mr. Sanjay Kumar selected in MP Public Service Commission and Central Potato Research Institute, Shimla.

iv. Ph. D. Scholar Mr. Nitish Kumar selected as School Librarian in Kendriya Vidyalaya Sanghathan (KVS).

v. M. Phil Scholar Mr. Ambika Bhadhuria qualified UGC-NET-2019.

vi. Ph. D. Scholar Mr. Bhoopender Singh Selected as School Librarian in Kendriya Vidyalaya Sanghathan (KVS).

vii. Ph. D. Scholar Ms. Anjali Verma Selected as Librarian through MPPSC.

viii. Ph. D. Scholar Ms. Sana Aslam qualified UGC-NET-2019.

20. Google Profile of the Faculty members

Dr. S. K. Sonkar

	All	Since 2015
Citations	169	122
h-index	8	6
i10-index	6	3

Dr. Vinit Kumar

	All	Since 2015
Citations	87	58
h-index	5	4
i10-index	1	1

SCHOOL OF LIFE SCIENCES

As per the restructuring/creation circular vide letter No. 469/COE/BBAU/18 dated 16/03/2018, the School of Life Sciences comprises the Department of Biotechnology, Department of Zoology. The two Departments cited above offer both P.G. (M.Sc.) and Ph.D. courses, the Department of Zoology commenced in the academic session 2001-02 and Department of Biotechnology started functioning from September 2005. Both Departments are well equipped with laboratories and field facilities, as per requirement. The faculty members of the school belong to varied regions of the country with diverse fields of specialization. Since courses are multifaceted, School of Life Science (SLS) arms its students for good job opportunities as well as self-employment, thereby contributing to the economic growth of the country. It is most advance School of Babasaheb Bhimrao Ambedkar, University (A Central University), Lucknow.

DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology was started in September, 2005 under the School for Biosciences and Biotechnology. Apart from M. Sc in Biotechnology, the department also offers Brain and Cognition Science, Forensic Science and Criminology, Ph. D in Biotechnology with diverse field of specialization including, Enzyme Technology and Protein Chemistry, Microbial Technology, Plant Molecular Biology, Immunotechnology, Neurobiology and Bioinformatics. This is a highly research oriented course giving world class training in neurosciences.

Biotechnology, being a multidisciplinary subject, imparts knowledge from various areas of biological as well as technological sciences. It encompasses understanding of fundamental concepts and their applications in the area of Molecular biology, Cell Biology, Immunology, Microbiology, Biochemistry, Bioinformatics and Bio-processing.

Keeping in view the development of modern applied aspect of the subject, Biotechnology has now become a multi-billion dollar industry. The teaching programme caters to the requirement of Biotechnology Industry and Institutes in India as well as aboard.

The syllabus was revised recently in academic year 2019-2020 with a great care so that the theory, practical and tutorials would meet the requirement of such a challenging and demanding field**.** In addition to the normal teaching classes and the practical training, the curriculum has integral components of Seminars and Research based project works targeted to shape the student's career in accordance with the requirement of the present national and international needs. Elective subjects have also been introduced to meet the areas of interest of individual students, Apart from the compulsory CBCS isin place where student can choose the subject of choice from any other department of the university to enhance & augment the knowledge in the field.

The department is in the process of developing facilities conducive for training in the field of Biotechnology at par with that of international standards. Faculty members of the department are executing various externally funded research projects from agencies like UGC, DST and DBT. Many distinguished scientists and eminent scholars from premier research institutes such as CSIR, ICAR, Indian and foreign Universities are invited to deliver lectures in their area of research interest from time to time. The students are exposed to both academics as well as extracurricular activities during their tenure.

1. Course Offered

i. M. Sc Biotechnology.

ii. M. Sc Brain & Cognition Sciences.

iii. M. Sc Forensic Science & Criminology.

iv. Ph. D. Biotechnology.

2. Facilities available in the department

i. M. Sc Laboratory.

ii. Research Laboratory.

iii. Central Instrumentation Laboratory.

iv. Smart Classroom.

v. Departmental Library.

3. Other departmental level Academic Activities

i. Organized Guest Lectures on "Head & Neck Cancer-Integrative genomic analysis and next step in Immunotherapy" by Dr. ArunKhattri, Department of Medicine, University of Chicago on 25-04-2017.

ii. Organized Guest Lectures on "Targeting adhensionsignalling network in breast cancer" by Dr. Mahendra Kumar Singh, Department of Surgery, University of Miami, U.S.A. on 02-08-2017.

iii. Organized Guest Lectures on "Advance in Understanding and Treatment of Chronic Airway Diseases" by Prof. (Dr.) Hari S. Sharma, Institute for Cardiovascular Research, Department of Pathology, VUmc, University Medical Center, De Boelelaan, Amsterdum, Netherlands on 03-10-2017.

4. Co-curricular/Extra-curricular/sports Activity by the department

Cultural programs organized by students on various occasions like Teachers day, Welcome, Farewell etc; Plantation drives.

5. Visitors of Department from inside the country

i. Prof. Sukesh Chander Sharma, Department of Biochemistry, (South Campus) Punjab University, Chandigarh on 09-03-2018.

ii. Prof. Jagtar Singh, Department of Biotechnology, (South Campus) Punjab University, Chandigarh on 02-02-2018.

iii. Prof. SukeshChander Sharma, Department of Biochemistry, (South Campus) Punjab University, Chandigarh on 09-03-2018

6. Details of Faculty

Prof. Dinesh Raj Modi

Name of the Faculty with Designation: Prof. Dinesh Raj Modi, Professor & Head, Biotechnology

Dean, School of Life Sciences

Specialization: Microbial Technology and Bioremediation

Qualifications: M.Sc., Ph.D.

Teaching Experience: 28 Years

Research Experience: 34 Years

Contact No: (+91) 9935720995

Email ID: drmodilko@gmail.com, drmodi@ bbau.ac.in

Members/fellowship of professional/academic bodies/editorial board

I. Members of Professional Societies

i. Association of Microbiologists of India - Life Member

ii. Biotech Research Society of India - Life Member

iii. Society of Biological Chemists, India - Life Member

iv. Association for the Promotion of DNA Fingerprinting - Life Member and other DNA Technologies (ADNAT)

v. Indian Science Congress - Life Member

Members of Academic & Administrative Committees/Bodies

i. Chairman, School Board Committee, School of Life Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow. (U.P.) 2017-2020. (DRC Member)

ii. Chairman, Board of Post Graduate Studeis in Biotechnology, Babasaheb Bhimrao Ambedkar University, Lucknow. (U.P.) 2017-2020. (DRC Member)

iii. Member, Board of studies in Biotechnology, Mahatma Gandhi Central University, Motihari, Bihar. 2017-2020.

iv. Member, Board of studies in Biotechnology, D. D. U. Gorakhpur University, Gorakhpur, (U.P.) 2018-2021.

v. Member, Board of Studies in Biotechnology, Allahabad State Universsity, Allahabad, (U.P.) 2017-2020.

Details of Book Chapter in edited volume: None

i. Sudhir Kumar Shekhar, Jai Godheja, Dinesh Raj Modi. Molecular Technologies for Assessment of bioremediation and characterization of microbial communities at pollutant-contaminated sites. 2020 entitled book-Bioremediation of Industrial Waste for Environmental Safety.

ii. J Godheja, DR Modi, V Kolla, AM Pereira, R Bajpai, M Mishra, SV Sharma, K Sinha, SK Shekhar. 2019. Environmental Remediation: Microbial and Nonmicrobial Prospects. Edited in book-Microbial Interventions in Agriculture and Environment; 379-409.

Paper published during the year by the faculty members

i. SK Shekhar, J Godheja, DR Modi, Molecular Technologies for Assessment of Bioremediation and Characterization of Microbial Communities at Pollutant- Contaminated Sites. Bioremediation of Industrial Waste for Environmental Safety, 437-474, 2020.

ii. D Dubey, S Chaurasia, A Guleria, S Kumar, DR Modi, R Misra, D Kumar, Metabolite assignment of ultrafiltered synovial fluid extracted from knee joints of reactive arthritis patients using high resolution NMR spectroscopy. Magnetic Resonance in Chemistry 57 (1), 30-43. 2019.

iii. Sandeep Kumar, Madhukar Saxena, Dinesh Raj Modi. Diabetes: A Syndrome leads to Coma. 2019. Journal J Diabetes and Islet Biology, 2(1); 2641-89.

iv. Madhukar Saxena, Shubhangi Chaturvedi, Shivangi Singh, Pooja, Sandeep Kumar Yadav and Dinesh Raj Modi. 2020.Enhanced Pro-inflammatory Response in Obese Individuals and the Association of TCF7L2 Gene Susceptibility in Type 2 Diabetes Mellitus. EC Diabetes and Metabolic Research 4(4); 1

v. Sarfraj Ahmad Siddiqui, Sanjay Singh, Rajesh Ugale, Vandana Ranjan, Rohit Kanojia, Sudipta Saha, Sukanya Tripathy, Shiv Kumar, Sudhir Mehrotra, Dinesh Raj Modi, Anand Prakash. 2019. Regulation of HDAC1 and HDAC2 during consolidation and extinction of fear memory. Brain research bulletin, 150; 86-101.

vi. Rohit Kanojia, Dinesh Raj Modi, Suman Mishra, Kamal Jaiswal. 2019. Histone Methylation Befuddledness in the Infralimbic Prefrontal Cortex and Their Association with Extinction Memory. International Journal of Research and Review. 6(11); 275-284.

vii. SA Siddiqui, S Singh, R Ugale, V Ranjan, R Kanojia, S Saha, S Tripathy, DR Modi, A Prakash. Regulation of HDAC1 and HDAC2 during consolidation and extinction of fear memory. Brain research bulletin 150, 86-101, 2019.

viii. Lalit M Patil, Devendra J Modi, Harshad M Vasava, Mahendra M Patel. 2019. Enhancing black gram profitability in Bharuch district of South Gujarat: Constraints and approach. Journal of Pharmacognosy and Phytochemistry. 8(3); 1843-1845.

ix. DR Modi, LM Patil, HM Vasava, MM Patel. 2019. Effect of banana pseudo stems sap on yield in mango var. kesar (*Mangiferaindica* L.) through on farm testing in Bharuch district of Gujarat. Journal of Pharmacognosy and Phytochemistry 8(2); 2573-2575.

Attended/Participated in conference/seminar/ workshop inside country

Training on Leadership for Academicians Programme (LEAP) organized by Aligarh Muslim University and University of California (USA) held during 2019- 2020.

Google profile (as on 26.08.19) of the Faculty members

Cited byVIEW ALL

	All	Since 2015
Citations	2095	1229
h-index	18	14
i10-index	31	22

Students achievements

Ph.D student Dr. Sudhir Kumar Shekhar joined as ICMR-RA in 2019.

Prof. Sangeeta Saxena

Name of the Faculty with Designation: Prof. SangeetaSaxena, Professor

Specialization: Plant Molecular Biology, Molecular Markers, RNA interference

Qualifications: M. Sc., M. Phil. Ph. D.

Teaching Experience: 22 Years 03 Months

Research Experience: 26 Years

Contact No: (+91) 9450645342

Email ID: dr_sangeeta _saxena@yahoo.com

Members/fellowship of professional/academic bodies/editorial board

I. Membership in Professional bodies

i. Association for promotion of DNA fingerprinting and other DNA technologies (ADNAT) CCMB, Hyderabad

ii. Society of Biological Chemist, (SBC) India

iii. Indian Society of Genetics & Plant Breeding

II. Membership in Academic bodies:

i. Member, Departmental Research Committee. (Department of Biotechnology)

ii. Member, Board of Post Graduate Studies (Department of Biotechnology)

iii. Member, RDCU DBT (being DRC member).

Details of Book written/edited by faculty members

i. **Published a book chapter**-Nikita Shukla, VirendraShukla, **Sangeeta Saxena (2018).** Plant miRNAs and phytomolecules as anti-cancer therapeutics. Book:- Anticancer Plant Properties and Applications (Springer Nature) ISBN 978-981-10-8416-4.

ii. **Published a book chapter-** PriyankaVarun and **Sangeeta Saxena (2018). Role of women scientists in the development of science and society: Past, present and future.** Reinventing the Women: Past, Present and Future. APP Press. ISBN: 978- 81-932605-0-0

Paper published during the year by the faculty members

i. M.K. Mishra,, M. Mishra1, S. Kumari1, P. Shirke, A. Srivastava and **S. Saxena (2018) .** Studies on anatomical behaviour of PaLCuV infected papaya (Carica papaya L.) *Journal of Applied Horticulture, 20(3): 219-224, 2018.* (ISSN 0972-1045) **(NAAS Score 3.0)**

ii. K. Roopendra, A. Sharma, A. Chandra, **S. Saxena (September, 2018)** Gibberellin-induced perturbation of source–sink communication promotes sucrose accumulation in sugarcane. 3 Biotech 8:418 https://doi.org/10.1007/s13205-018-1429- 2 (**Impact Factor 1.361)**

iii. K. Roopendra, A. Chandra, **S. Saxena (August, 2018)** Increase in Sink Demand in Response to Perturbed Source–Sink Communication by Partial Shading in Sugarcane. Sugar Tech https://doi. org/ 10.1007/s12355-018-0665-4 (**Impact Factor 0.807)**

iv. SaurabhVerma and **SangeetaSaxena (July, 2018)** In-silico investigation of betasatellite complexity in Papaya leaf curl disease complex.. International journal of plant and environment. 3; 279-281 (ISSN no. 2454-1117)

v. PriyankaVarun and **SangeetaSaxena (May, 2018).** Association of tomato leaf curl Gujrat virus and tomato leaf curl Bangladesh betasatellite on papaya showing typical leaf curl symptoms in North India. **3 Biotech- Springer** ISSN No. 2190-5738 **Impact Factor 1.361)**

vi. Kavita Kumari, Madan Lal and **Sangeeta Saxena (April, 2018)** Cumulative effect of thidiazuron and 1-naphthylacetic acid in massive root proliferation of micropropagated sugarcane plantlet. Plant Root 12:16-20. doi:10.3117/plantroot.12.16 Copyrights 2018, Plant Root (JSRR), www. plantroot.org

vii. Virendra Jaiswal, **Sangeeta Saxena**, Ispreet Kaur, Priya Dubey, Sampurna Nand, Mariya Naseem, Suman B. Singh, Pankaj Kumar Srivastava, Saroj Kanta Barik **(April, 2018)** Application of four novel fungal strains to remove arsenic from contaminated water in batch and column modes. **Journal of Hazardous Materials 356: 98–107, ISSN: 0304-3894 (Impact Factor: 6.434)**

viii. Kavita, MadanLal and **SangeetaSaxena (March, 2018)** Effect of explanting season and source of explants on in vitro morphogenetic responses of shoot tip explants of sugarcane. **Research on Crops Vol. 19 No. 1.** ISSN 2348-7542 **(Scopus (Elsevier): Scientific Journal Ranking (SJR): 0.15, NAAS 4.0)**

Attended/Participated in conference/ seminar/ workshop inside country

i. **Field Based Hands on Training on Lichen** Systematics jointly organized by Indian Lichenological Society and CSIR–National Botanical Research Institute at Sattal Uttrakhand. 28 September to 5 October 2019 (8 days).

ii. **Resourceperson** in "Seven Days National Workshopon Research Methodology" organized by department of Rural Management, BBAU, Lucknow. 8th March 14, 2019.

iii. Participated in One day Seminar on "Latest Trends in Biotechnology for the benefit of Uttar Pradesh" organized by CST, UP, on 12th March 2019.

iv. Participated in Annual BSBE winter meeting on" Computational Biology in Disease Mechanism" held at IIT Kanpur, Dec. 7th-9th 2018.

Attended/Participated in conference/seminar/ workshop outside country

Attended, international course on"**RNA Structure and Function** and delivered a lecture on "Plant miRNAs: Do they play a key role in Cross Kingdom Gene Regulation?" held during 19th-22nd March 2018 at Trieste-Italy (**International Course**).

Details of invited lecture inside the country

Resourceperson in "Seven Days National Workshopon Research Methodology'' organized Babasaheb Bhimrao Ambedkar University, Lucknow by department of Rural Management, BBAU, Lucknow. March 8th-March 14th, 2019.

Details of invited lecture outside the country

Delivered a lecture **on** "Plant miRNAs: Do they play a key role in Cross Kingdom Gene Regulation?"at **International Course on RNA Structure and Function**, held during 19-22 March 2018 at Trieste-Italy.

Details of Research Projects (major/minor)

i. Identification and functional analysis of anti-apoptotic HCMV miRNAs, awarded by DBT, Govt. of India also Co-PI. 2017- 2020 Ongoing.

ii. Role of miRNA(s) in *Carica papaya* leaf juice for accelerating blood platelet count during dengue fever (DH): An augment for Dengue therapy. Awarded by CST,UP **Dr. Sangeeta Saxena (PI)**. 2015-2018 Completed.

Students achievements

i. a. **Dr.** Aradhana **Lucky Hans, NPDF (SERB, DST). A** siRNAbasedstrategy to develop resistant papaya against *papayaringspot virus* **(PRSV-P). (01.04.2019 to 31.03.21)**

ii. Dr. Ritesh Mishra, D.S. Kothari Post Doctoral Fellow. Engineering for leaf curldisease resistance in papaya by using RNA–Interference to knock down papayaleafcurl virus coatprotein (AV1), replicasegene (AC1) and AC4 gene expression. (09.07.2018 to 08 July 2021)

iii. Dr. Virendra Shukla NPDF (SERB, DST) Govt of India. Unraveling the curcumin induced longetivity signaltrans duction pathways in *Caenorhabditise-legans*. (13.04. 2018 to 09-01 2019)

Accomplishments of students

i. Number of students completed their masters **: 30**

ii. Number of student selected in civil services (UPSC/UPPSC) **: NIL**

iii. Number of student pursuing higher studies **: 01 (AnkitaYadav Ph.D. from Indian Institute of Immunology, New Delhi.**

iv. Number of students selected on other government jobs/banking/school teaching etc **: Nil**

v. Number of students placed through campus interview **: Nil**

vi. Number of students awarded SLET/NET/JRF/any other fellowship**: NET:03, JRF : 02**

Faculty wise Supervision of the Ph. D degree awarded

i. Kriti Roopendra. Department of Biotechnology, Babasaheb Bhimrao Ambedkar University. Lucknow. "**Transcriptome analysis of source sink dynamics associated with sugar accumulation in sugarcane**" **(15.07.2019)**

ii. Priyanka Varun. Department of Biotechnology, Babasaheb Bhimrao Ambedkar University. Lucknow **"Development of generic resistance strategy against PaLCuV infection based on viral genomic variability"(10.05.2019)**

Faculty wise Supervision of the students pursuing Ph. D degree: 04

i. Anamta Rizvi

ii. Priyanka

iii. Rajkumar Khalko

iv. Sailendra Kumar

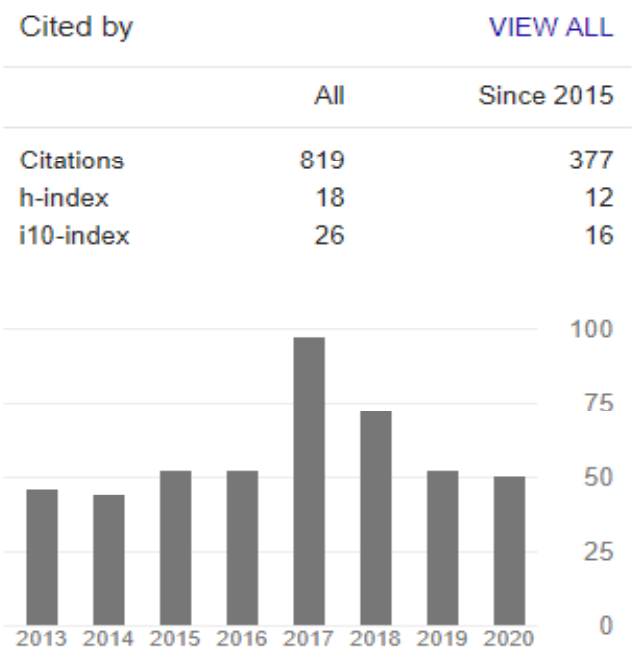
Google profile (as on 26.08.19) of the Faculty member

Dr. G. Sunil Babu

Name of the Faculty with Designation: Dr. Sunil Babu Gosipatala, Assistant Professor

Specialization: Immunomodulation, Cancer Genetics, Host-pathogen interactions at miRNA level, Bioinformatics

Qualifications: M.Sc., Ph.D.



Teaching Experience: 18 Years

Research Experience: 25 Years

Contact No: (+91) 9455036926

Email ID: sunil_gos@yahoo.com, gsbabu@ bbau.ac.in

Details of Seminar, Conference, Workshop organized in the Department

i. Organized the celebrating **World Immunology Day, 2019 (WID-2019)** on **29th April, 2019** in the Department of Biotechnology, under the edges of Indian Immunology Society. In this, school students were invited to attend/Participate the meeting as an Organizing Secretary.

ii. Organized National Workshop on the topic entitled **"Basics of Flow Cytometry and its applications in Biomedical Sciences"** organized during **5th–7th March, 2020**. as an Organizing Secretary.

Details of MoU signed with national, foreign Institutions, if any: UNDER PROCESS

King George Medical University, Lucknow

Bundelkhand University, Jhansi

Members/fellowship of professional/ academic bodies/editorial board:

i. Member Secretary, Institutional Ethics Committee, Babasaheb Bhimrao Ambedkar University, Lucknow, Uttar Pradesh-226025. (21st July, 2015 to Date)

ii. Member Secretary, Institutional Biosafety Committee, Babasaheb Bhimrao Ambedkar University, Lucknow, Uttar Pradesh-226025. (2nd August, 2016 to Date)

iii. Life Member-Society of Biological Chemists (India)

iv. Life Member-Indian Immunology Society

v. Life Member-The Cytometry Society of India (TCS)

vi. Life Member-Association for the Promotion of DNA fingerprinting and other DNA technologies (ADNAT)

vii. Life Member-Indian Science Congress, Kolkata

viii. Member-International Society for Advancement of Cytometry (ISAC-2015)

Paper published during the year by the faculty members : 04

i. Alok Kumar, Pradyumn Singh. Anshuman Pandey, **Sunil Babu Gosipatala** (2019), Promoter

methylation analysis of Supressor of Cytokine Signalling-1 (SOCS1) gene in Colorectal cancer patients and its association with clinicopathological characteristics" International Journal of Science, Technology & Society: 1-14

ii. Alok Kumar, **Sunil Babu Gosipatala**, A Pandey and Pradyuman Singh (2019). Prognostic relevance of SFRP1 gene promoter methylation in Colorectal Carcinoma. Asian Pacific Journal of Cancer Prevention 20(5): 1571-1577.(I.F-2.514)

iii. Vimal Maurya, Pranesh Kumar, Sreemoyee Chakraborti, Ashok K Singh, Archana S. Bhadauria, Umesh Kumar, Dinesh Kumar, Amab, Parmanik, Biswajit Saha, Venkatesh Kumar R, **Sunil Babu Gosipatala**, Bolay Bhattachariya, Biswanath Maity, Sudipta Saha (2019). Zolmitriptan attenuates hepatocellular carcinoma via activation of caspase mediated apoptosis. Chemico-Biological Interactions 308: 120-129 (I.F-2.577)

iv. Piyush Chaudhary, **Gosipatala Sunil Babu** and Ranbir Chander Sobti (2019). HGF regulate HTR-8/SVneo trophoblastic cells migration/invasion under hypoxic conditions through increased HIF-1 alpha expression via MAPK and PI3K pathways. J Cell Communication and signalling .https://doi.org/10.1007/s12079-019- 00505-X) (I.F.2.516).

I. Attended/Participated in conference/ seminar/ workshop inside country: 04

i. Abhishek Pandeya, Anup Mishra, Raj Kumar Khalko, Sunil BabuGosipatala, Poster on **"Investigation(s) on the role of HCMV miRNAs on Cellular Apoptosis**" in **3rd National Conference on Emerging Synergistic trends in Ayurvedic and Biomedical Sciences"** organized by **Bundelkhand University, Jhansi, Uttar Pradesh during 19 & 20 Feb, 2020.**

ii. Abhishek Pandeya, Anup Mishra, Raj Kumar Khalko, Sunil Babu Gosipatala Presented a Poster on **"Antiapoptotic role of hcmv-miR-UL70-3p on Cellular Apoptosis"** in **46th Annual Conference of Indian Immunology Society "Immunocon-2019" Advances in Immunology Research: Impact on Health Care"** Jointly organized by **Radiation Medicine Centre, Baba Atomic Research Centre & ICMR-National Institute for Research in Reproductive Health in Anushaktinagar, Mumbai** during **14th to 16th November, 2019.**

iii. Abhishek Pandeya, Anup Mishra, Raj Kumar Khalko, Sunil Babu Gosipatala Presented an e-poster on the topic entitled **"hcmv-miR-UL-70-3p inhibits H2O2 induced apoptosis in HEK293T cells"** in **24th National Annual Convention of Association of Pharmaceutical Teachers of India, APTICON-2019** hosted by **DIT University, Dehradun,**Uttarakhand in association with APTI- Uttarakhand State Branch from **11th to 13th October, 2019** (approved by Pharmacy Council of India, New Delhi under Continuous Education Programme (CEP).

iv. Attended 2nd International Conference on "Energy, functional materials and nanotechnology & sustainable environmental management (ICEFN & SEM-2019), organized by NanoScience and Nanotechnology Centre, Kumaun University, Nainital-263002 and given invited talk on the "**Therapeutic prospects of miRNA's in HCMV etiology"** held during 24th-26th May 2019.

Details of invited lecture inside the country

i. Delivered an Invited Plenary Talk in **24th National Annual Conference of Association of Pharmaceutical Teachers in India** (APTICON-2019) held during 11th to 13th October, 2019 organized by DIT University, Dehradun.

ii. Delivered an Invited Talkon **"Investigation(s) on the role of HCMV miRNAs on Cellular antiviral mechanism such as apoptosis and autophagy"** in 3rd National Conference on Emerging Synergistic trends in Ayurvedic and Biomedical Sciences" organized by Bundelkhand University, Jhansi, Uttar Pradesh during 19 & 20 Feb, 2020.

iii. Delivered an invited talk on "**Therapeutics prospects of miRNA's in HCMV etiology"** in 2nd International Conference on Energy, Functional Materials and Nanotechnology & Sustainable Environmental Management (ICEFN & SEM-2019) organized by Nanoscience & Nanotechnology Centre, Department of Chemistry, Kumaun University, Nanitaal during 24th to 26th May, 2019.

Details of Research Projects (major/minor)

i. Guide the ICMR-Senior Research Fellowship proposal entitled "Investigation(s) of HCMV miRNAs role on human antiviral mechanism such as apoptosis and autophagy" of **Mr. Abhishek Pandeya,** Department of Biotechnology, BBAU, Lucknow.

ii. **Principal Investigator** in DST-SERB funded project under Empowerment and Equity Opportunity and Excellence in Science (EEQ) entitled "**Investigation(s) of HCMV miRNAs role on Cellular Autophagy"** (20th March, 2018 to Date and Budget **46.56 Lakhs**).

iii. **Principal Investigator** in DBT funded project entitled "**Identification of HCMV miRNA to overcoming cellular Apoptosis"** (1st June, 2017 to Date and Budget **74.88 Lakhs**). And functional analyin & antiapoptotic HCMV MiRNAs.

Students achievements

I. Faculty wise supervision of the Ph.D. and M.phil students/Dissertation student & thesis submission/Degree awarded:

Ph.D. Thesis Awarded

Mr. Piyush Chaudhary, "Role of HGF and WNT signalling pathways in trophoblastic cell migration under normal and hypoxic condition" under the joint supervision of Dr. G. Sunil Babu, DBT, BBAU, Dr. S.K. Gupta, Scientist, National Institute of Immunology, New Delhi & Prof. R.C. Sobti, Ex-VC, BBAU, Lucknow.

Ph.D. Thesis submitted:

Mr. Alok Kumar, "A Study of newer prognostic epigenetics markers STRP-1 and IGF-^{2} P3 in Colorectal Cancer under joint supervision of Dr. G. Sunil Babu, DBT, BBAU, Lucknow & Dr. Pradyumn Singh, Dr. RMLIMS, Lucknow.

M.Sc. Dissertation 2019:

i. **Ms. Keerti Singh**, Expression analysis of eIF2 ± on H^2O^2 induced apoptosis in HEK293T cell line.

ii. **Ms. Sapna Srivastava**, Expression analysis of mTOR gene during apoptosis in Human cells.

iii. **Ms. Jaskirat Kaur**, Expression analysis of Nrf2 on H^2O^2 induced apoptosis in HEK293T cell line.

iv. **Ms. Bharti Kotaraya,** SARS-CoVs and MERS-CoVs epidemiology and Pathophysiology.

v. **Mr. Ankit Kumar**, Different therapeutic strategies used for Human Cytomegalovirus.

vi. **Mr. Sanjay Kumar**, Immune Evasion strategies of Human Cytomegalovirus.

vii. **Ms. Deepti Dhusiya**, A brief view about the COVID-19 with respect to SARS-CoV-2 structure, Genome, pathogenesis, possible therapy and vaccine strategy.

viii. **Mr. Sandeep Singh**, Nuclear aggression kinetics of Cytomegalovirus.

II. Any other achievement recorded by the students

i. **Mr. Abhishek Pandeya,** got SRF fellowship from Indian Council of Medical Research, New Delhi for **3 years**.

ii. **Mr. Raj Kumar Khalko,** got National Fellowship for Scheduled Tribes(NFST) given by Ministry of Scheduled Tribes, Govt. of India, New Delhi

Faculty wise Supervision of the Ph. D degree awarded : 1

Mr. Piyush Chaudhary got awarded Ph.d

Faculty wise Supervision of the student pursuing Ph. D degree : 4

i. **Mr. Abhishek Pandeya**, Investigation(s) on the HCMV miRNA's role on Cellular Apoptosis" under joint Supervision of Dr. G. Sunil Babu, DBT, BBAU & Dr. Sanjay Yadav, Scientist, CSIR-IITR, Lucknow.

ii. **Mr. Raj Kumar Khalko**, Identification and functional analysis of antiautophagic HCMV miRNAs. Under joint supervision of Dr. (Prof. Sangeeta Saxena) and Dr. G Sunil Babu, DBT, BBAU, Lucknow.

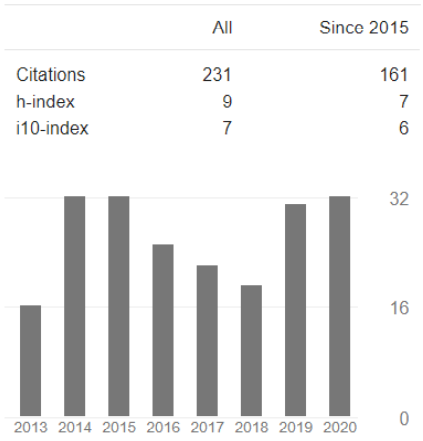
iii. **Mr. Anup Mishra.** (Synopsis under process)

iv. **Ms. Arti Priyadarshini.** (Synopsis under process)

Google profile of the Faculty members

Dr. Monica Sharma

Name of the Faculty with Designation: Dr. Monica Sharma, Assistant Professor



Specialization: Enzyme and Microbial Technology, Bioinformatics

Qualifications: M.Sc., Ph.D.

Teaching Experience: 11 Years

Research Experience: 11 Years

Contact No: (+91) 9717386785

Email ID: monashimla@gmail.com, dr.monikas@bbau.ac.in

Members/fellowship of professional/academic bodies/editorial board

i. Life time member of Association of Microbiologist of India (since 2005)

ii. Life time member of OWSD (Organization for Women in Science for the Developing World) (2020).

Attended/Participated in conference/seminar/ workshop inside country

i. Meghna Arya, Vikas Kumar, Garima Chauhan, Monica Sharma (2019) Bioprospecting of thermophilicnitrilase from hotsprings of Western Himalayas. In 60th Annual Conference of The Association of Microbiologists of India (AMI-2019) at Central University of Haryana, Mahendragarh, Haryana, India, 15th-19th November, 2019.

ii. Vikas Kumar, Monica Sharma (2019) Isolation of thermophilic alpha amylase the rough metagenom Bioprospecting of thermophilicnitrilase from hotsprings of Western Himalayas. In 60th Annual Conference of The Association of Microbiologists of India (AMI-2019) at Central University of Haryana, Mahendragarh, Haryana, India, 15th-19th November, 2019.

iii. Garima Chauhan, Vikas Kumar, Meghna Arya, Monica Sharma (2019) Thermophilicxylanase mining from hot spring of Odisha using sequence based metagenomics approach. In 60th Annual Conference of The Association of Microbiologists of India (AMI-2019) at Central University of Haryana, Mahendragarh, Haryana, India, 15th-19th November, 2019.

iv. Monica Sharma, Vikas Kumar, Garima Chauhan, Meghna Arya (2019) Metagenomics: A mining tool for robust PGPR microbiome from hot springs of Indian states. In Progressive Horticulture Conclave 2019 on Futuristic Technologies in Horticulture in Lucknow UP, 8th-10th December 2019.

v. Participated in Quiz on "Nutrition and lifestyle: Diet Management and Wellness" School for Home Science BBAU

vi. Participated in Quiz on "Crises Faced by disabled Person During Covid-19" School for Home Science BBAU

Details of invited lecture inside the country

i. "Metagenomics: A mining Tool for robust PGPR microbiome from hot springs of Indian states" In progressive Horticulture Conclave (PHC)-2019 held at ICAR-IISR, Lucknow UP, December 8-10-2019 organised by ICAR-Central Institute for Subtropical Horticulture Lucknow.

ii. "Industrial Biocatalyst mining using metagenomics" International conference on Environmental Sustainability: Innovations, Translational Dimension and Way Forward from 11th-12th February 2020 organised by Department of Energy and Environment, Babasaheb Bhimrao Ambedkar University

Details of Research Projects (Major/Minor)

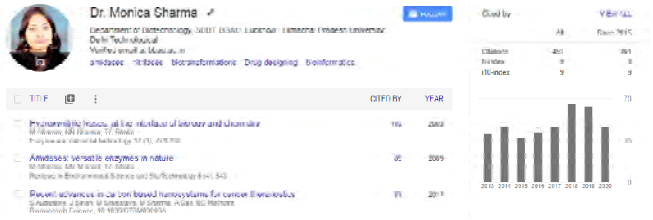
Major Project: Investigational analysis of thermal springs for biotechnologically important enzymes using metagenomics approach. P.I. Dr. Monica Sharma (Grant 6.8 Lakhs). Council of Science and Technology Uttar Pradesh (CST UP/8275)193

Students achievements

Faculty wise Supervision of the student pursuing Ph. D degree: Four

- Ms. Garima Chauhan
- Ms. Meghna Arya
- Mr. Vikas Kumar
- Ms. Asha

Google profile of the Faculty members



Dr. Yusuf Akhter

Name of the Faculty with Designation: Dr. Yusuf Akhter, Assistant Professor

Specialization: Protein Structures; Drug discovery against bacterial and protozoan pathogens

Qualifications: M.Sc., Ph.D.

Teaching Experience: 08 Years

Research Experience: 15 Years

Contact No: (+91) 82197773520, 8263875486

Email ID: yusuf.akhter@gmail.com; yusuf@daad-alumni.de

Members/fellowship of professional/academic bodies/editorial board

i. Editorial Board Member, *Scientific Reports* published by Nature Research, United Kingdom (since 2019)

ii. Associate Editor, *Frontiers in Genetics* (Bioinformatics and Computational Biology) published by Frontiers Media, Switzerland (since 2018)

iii. Associate Editor, *BMC Genomics* published by BioMed Central, United Kingdom (since 2018)

iv. Associate Editor, *BMC Microbiology* published by BioMed Central, United Kingdom (since 2018)

v. Associate Editor, *Archives of Microbiology* published by Springer, Berlin, Germany (since 2016)

Paper published during the year by the faculty members

i. Quality deprivation through quality assessment: the academic score system in indian higher education. (2020)

ii. Analyzing structural differences between insulin receptor (IR) and IGF1R for designing small molecule allosteric inhibitors of IGF1R as novel anti-cancer agents, 2020

iii. Design of an inhibitor of Helicobacter pylori cholesteryl ± glucosidetransferase critical for bacterial colonization. (2020).

iv. Author Correction: Mutually exclusive locales for N-linked glycans and disorder in human glycoproteins. (2020).

v. Interplay between two spin states determines the hydroxylation catalyzed by P450 monooxygenase from Trichodermabrevicompactum. (2020).

vi. Inhibition of CD44 sensitizes cisplatin-resistance and affects Wnt/²-catenin signaling in HNSCC cells. (2020).

vii. Mutually exclusive locales for N-linked glycans and disorder in human glycoproteins

viii. Synthesis, quantum chemical study, AIM simulation, in silico ADMET profile analysis, molecular docking and antioxidant activity assessment of aminofuran derivatives (2020).

ix. Role of telomeric RAP1 in radiation sensitivity modulation and its interaction with CSC marker KLF4 in colorectal cancer(2020).

x. Phenanthridine derivatives as promising new anticancer agents: synthesis, biological evaluation and binding studies (2020).

xi. Fungal P450 monooxygenases - the diversity in catalysis and their promising roles in biocontrol activity (2020).

xii. The anti-biofilm potential of triterpenoids isolated from Sarcochlamyspulcherrima (Roxb.) Gaud (2020).

xiii. Protein-protein complexes as targets for drug discovery against infectious diseases (2020).

1. Monica Sharma, **Yusuf Akhter*** and Subhankar Chatterjee (2019)

   A review on remediation of cyanide containing industrial wastes using biologica systems with special reference to enzymatic degradation.

   Springer

   World Journal of Microbiology and Biotechnology.

   DOI: 10.1007/s1127401926438

2. Rishi Mahajan, Shalini Verma, Madhulika Kushwaha, Dharam Singh, **Yusuf Akhter*** and Subhankar Chaterjee (2019)

   Biodegradation of di-n-butyl phthalate by psychrotolerant Sphingobiumyanoikuyae strain P4 and protein structural analysis of carboxylesterase involved in the pathway.

   Elsevier

   International Journal of Biological Macromolecules.

   DOI: 10.1016/j.ijbiomac.2018.10.225

3. Vijay Y Muley, **Yusuf Akhter**, Sanjeev Galande (2019).

   PDZ Domains across the microbial world: Molecular Link to the Proteases, Stress Response and Protein Synthesis.

   Oxford University Press

   Genome BiolEvol. DOI: 10.1093/gbe/ evz023.

4. Shikha Sharma, Mushtaq Ahmed, **Yusuf Akhter*** (2019)

   The molecular link between tyrosol binding to tri6 transcriptional regulator and downregulation of trichothecene biosynthesis.

   Elsevier

   Biochimie. DOI: 10.1016/j.biochi. 2019.01.021.

Details of Research Projects (major/minor)

a. Title: Identification of outer membrane proteins in *Mycobacterium leprae* and subsequent selection and analysis of epitopes to target immunogenic candidate proteins.

   Sanction No: BIC/12 (04) 2014-Submission ID: 20140810

   Total Cost: 49,28,000 Rs. (proposed)

   Agency: Indian Council of Medical Research

   Present Status: Ongoing

   Role: Principal Investigator

   Major/Minor: Major

b. **Title:** Genome wide identification of metal binding proteins in bread wheat (BT/PR13692/BID/7/2015)

   Agency: Department of Biotechnology (DBT), Govt. of India

   Budget: Rs. 25 lakhs (Sanctioned)

   Present status: Ongoing

   Role: Principal Investigator

   Major/Minor: Major

c. **Title:** Genome wide screening of outer membrane proteins in *Mycobacterium avium* subsp. *Paratuberculosis* (MAP) K-10: a repertoire of candidate immunogens for translation medicine.

   Agency: SERB (Science and Engineering Research Board) (Govt. of India)

   Budget: Rs. 26 lakhs (Sanctioned)

   Present status: Completed

   Role: Principal Investigator

   Major/Minor: Major

d. **Title:** A project proposal on targeting novel prokaryotic ubiquitin like post-translational modification pathway for therapeutic interventions against *Mycobacterium tuberculosis*.

   Agency: UGC (University Grants Commission) (Govt. of India)

   Budget: Rs. 17.55 lakhs (Sanctioned)

   Present status: Completed

   Role: Principal Investigator

   Major/Minor: Major

Students achievements

Faculty wise Supervision of the Ph. D degree submitted

Under the Research Degree program of Central University of Himachal Pradesh, following PhD students have finished their research in our group

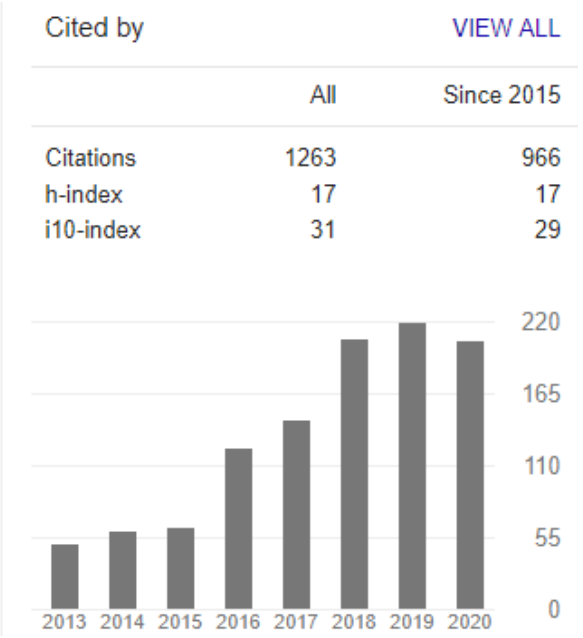
Dr. Aarti Rana (Currently working as ICMR–Research Associate)

Dr. Padmani Sandhu (Currently Postdoc at IITBombay)

I have also Cosupervised following PhD students

Dr. Indu Kumari (Currently working as Assistant Professor at affiliated college of GNDU, Amritsar)

Google profile of the Faculty members



DEPARTMENT OF ZOOLOGY

The Department of Zoology offers a Post Graduate and an Under Graduate degree, in Zoology, M.Sc. Life Science and B. Voc. Courses with major specializations comprising-Parasitology, Sericulture, Fisheries, Apiculture, Pearl Culture, Prawn Culture and Livestock Production that encompassed certain advanced and applied areas, including those of Genotoxicity, Molecular biology, Cell biology, Genomics, Proteomics, Bioinformatics, Biostatistics and Biochemistry. The foremost objective of the Department is to impart special training to the students so that they could become self-employed and accomplished the height of success in their future endeavoures in their respective departments. Parasitology, in India, has provided a vast platform for dynamic research based in diverse field, with respect to, viruses, bacteria, worms, etc., which is the need of the present hour, as evident in the present situation of COVID-19 pandemic which shows that there is a tremendous change observed in research pattern of yester year and of present day. Thus, Parasitology, endows rewarding careers in the form of:

Parasitologists in pharmaceutical industry, Parasitologists in agricultural industry, Veterinary parasitologists, Medical parasitologists who work in the field of epidemiology, chemotherapy, immunology and pathology as well, Fisheries parasitologists, Microbiologists; etc.

Thereby, the branch of Parasitology provides significant jobs in both government and private sector. Our department which imparts specialization in Sericulture provides gainful employment, economic development and improvement in the quality of life of the people living in rural area and, therefore, it plays an important role in anti-poverty programme and prevents migration of rural people to urban area in search of employment. Hence, in India, wide researches have been taken up by Sericulture department to provide henceforth knowledge regarding the researches conducted and researches going-on in this specific field with regards to employment generation, which has gained worldwide recognition, through various programmes of the government like

• Sericulture and Silk Industry • Cosmetic industry • Mulberry cultivation and Silkworm rearing industry • Reeling of Silk Cocoon-Market industry • Power-loom industry • Printing and dyeing industry • Silk waste processing industry • Technical Service Center (TSC) which provides employment to artisans for technological innovations, • Chawki Rearing Centre (CRC) which provides employment to trained technicians for rearing of young age larvae, etc. Also, the by-products generated by Sericulture provided a vast range of employment in cosmetic industry and, thus, this field is regarded as the "Queen of Textiles" the world over. On the other hand, it stands for livelihood opportunity for millions owing to high employment oriented, low capital intensive and remunerative nature of its production. The very nature of this industry with its rural based on-farm and off-farm activities and enormous employment generation potential has attracted the attention of the planners and policy makers to recognize the industry among one of the most appropriate avenues for socio-economic development of a largely agrarian economy like India. Some of the recent policy initiatives taken by the Ministry to promote the researches and enhance the employment structure through Sericulture are as follows: • Inclusion of Sericulture in Rashtriya Krishi Vikas Yojana (RKVY) • The Central Silk Board • Vanya silkworm rearing,

• Catalytic Development Programme under MGNREGA (CDP-MGNREGA), etc. The specialization of Fisheries which also aims to provide wide researches aims to ensure sustainable development of marine fisheries with due concern for ecological integrity and biodiversity. This calls for adopting fisheries management regimes as per the varied researches conducted in a manner to let it echo worldwide with respective recognition as per the researches, employment opportunities and entrepreneurial achievements in this specific field across several agencies and Ministries at the Central level. This can be evidend by a recent employment opportunities provided by: • FAO, United Nations, • South Indian Federation of Fishermen Societies (SIFFS) for various project which noted the potential of traditional method of fishing and products derived from it are of great importance worldwide, • Fisheries and Aquaculture industry • Environmental Organization for prevention of practices such as illegal, unreported and unregulated (IUU) fishing and conservation of Nature and natural resources • FAO Blue Growth Initiative • Commercial fishing industry • Seafood industry • Commercial and recreational saltwater fishing industry • Domestic lobster industry • Central Marine Fisheries Research Institute (CMFRI) • ICAR institute, • Fisheries Co-operative sector of Government, etc. Presently India is the second largest fish producing and second largest aquaculture nation in the world after China. The marine fishery potential in the Indian waters have been estimated at 5.31 MMT constituting about 43.3% demersal, 49.5% pelagic and 4.3% oceanic groups, which affirms our foremost responsibility with respect to vast researches contributing to the socio-economic development of our nation, India. Marine Fisheries contributes to food security and provides direct employment to over 1.5 mn fisher people besides others indirectly dependent on the sector and getting direct employment in various government, public-private sector and varied national and international institutions. In India, Parasitology, Sericulture and Fisheries have been developed as agro-based industries with a vast potential incorporating the rural economy. These areas generate employment opportunities through direct employment like in the development of vaccine against disease causing bacteria, the fields of molecular and cellular biology, genetics and physiology, aquaculture, mulberry cultivation, nursery management, silkworm rearing and cocoon production. The areas of work as assigned by the courses assist in indirect employment through silk rearing, twisting, warping, dying and weaving. Finally, the ultimate goal remained the generation of employment and revenue which might be accomplished through inland fish culture. Additionally, the curriculum of M.Sc. Zoology includes general papers such as Biochemistry and Development Biology and Tools and Techniques in Biology that disbursed ample knowledge in the vast domain of Life Sciences. The Department has well equipped research laboratory as well as silkworm rearing and reeling unit and offers Ph.D. programmes in the field of Sericulture, Fisheries, Parasitology, Animal Behaviour and Conservation Biology. The allied works of the courses in the Department give a beautiful insight into the field of biodiversity, conservation of life forms, biological interaction, xenobiotics, environmental protection and bioremediation.

1. Course Offered

Ph. D. Zoology

M. Sc. Zoology

M. Sc. Life Sciences

B. Voc. Livestock Production and Management.

2. Facilities available in the department

i. Laboratories for M.Sc. and B.Voc. Students.

ii. Research Laboratories.

iii. Central Instrumentation Laboratory.

iv. Smart Classrooms.

v. Departmental Library.

vi. Rearing House.

vii. Reeling Unit.

3. Details of Faculty

i. Prof. Kamal Jaiswal

Designation: Professor

Qualification: M.Sc., Ph. D., F.Z.S.I., F.S.L.Sc.

Specialization: Animal Science, Zoology, Parasitology, Sericulture, Silkworm Pathology, Silkworm Rearing, Silk Reeling

Teaching Experience: 25 Years

Research Experience: 26 Years

Contact Details:

Mobile No.: +91-9415109611

Email ID: drkamaljaiswal@gmail.com

ii. Dr. V. Elangovan

Designation : Associate Professor

Qualification : Ph.D.

Specialization : Animal Behaviour

Teaching Experience : 15 Years

Research Experience : 18 Years

Contact Details :

Mobile No.: +91-9235565647

Email ID : elango70@yahoo.com

iii. Dr. Venkatesh Kumar R.

Designation: Assistant Professor

Qualification: M.Sc. Ph.D.

Specialization: Sericulture & Natural Product Research

Teaching Experience : 15 Years

Research Experience : 18 Years

Contact Details:

Mobile No.: +91-9838616937

Email ID: drvenkateshkumar@yahoo.com

iv. Dr. Suman Mishra

Designation: Assistant Professor (Stage 3)

Qualification: M.Sc. (Zoology), Ph. D. (Zoology)

Specialization: Parasitology

Teaching Experience: 14 Years

Research Experience: 20 Years

Contact Details:

Mobile No.: +91-9450413971

Email ID: drsumanmishra@gmail.com

v. Dr. Abha Mishra

Designation: Assistant Professor

Qualification: Ph.D.

Specialization: Fish and Fisheries

Teaching Experience: 14 Years

Research Experience: 19 Years

Contact Details:

Mobile No.: +91-9450710387

Email ID: drabhamishra@gmail.com

vi. Dr. Sandhya

Designation: AssistantProfessor

Qualification: Ph.D. (Zoology)

Specialization: Fish Biology and Ecotoxicology

Teaching Experience: 05 Years 03 Months

Research Experience: Ph.D: 5 years,

Post-Doctorate research experience: 8 months

Contact Details:

Mobile No.: +91-9305008071

Email ID: drsandhya@bbau.ac.in

vii. Dr. Neeshma Jaiswal

Designation: Assistant Professor

Qualification: M.Sc., D.Phil., F.Z.S.I., F.H.S.I.

Specialization: Molecular Parasitology, Environmental Biology

Teaching Experience: 12 Years

Research Experience: 11 Years

Contact Details:

Mobile No.: +91-7905848141

Email ID: neeshversity@gmail.com

4. Details of Seminar/Conference organized by the department

Departmentof Zoology, BBAU, organized a National Conference on Research Development in Fisheries (NCRDF-2019) for 2 days (7th-8th November, 2019) at Dept. of Zoology, BBAU, Lucknow

5. Co-curricular/Extra-curricular/sports Activity by the department

Cultural programs organized by students on various occasions like Teachers day, Welcome, Farewell etc, Plantation drives, SwachhataAbhiyan.

6. Members/fellowship of professional/academic bodies/editorial board

Prof. Kamal Jaiswal

I. Membership of Academic Bodies/University Committees

i. Member, Academic Council, BBAU, Lucknow

ii. Member, University Space Committee, BBAU, Lucknow

iii. Member, Admission Monitorin g Committee, BBAU, Lucknow

iv. Chairperson, Student Amenities committee, BBAU, Lucknow

v. Chairperson, Board of Postgraduate Studies, Department of Zoology, BBAU, Lucknow

vi. Chairperson, Departmental Research Committee, Department of Zoology, BBAU, Lucknow

vii. Chairperson, Departmental Council Committee, Department of Zoology, BBAU, Lucknow

viii. Chairperson, Departmental Purchase Committee, Department of Zoology, BBAU, Lucknow

ix. Chairperson, Department Animal ethical committee, Department of Zoology, BBAU, Lucknow

x. Chairperson, Departmental Parents Association Committee, Department of Zoology, BBAU, Lucknow

xi. Chairperson, Departmental Alumni Association Committee, Department of Zoology, BBAU, Lucknow

xii. Chairperson, DepartmentalRemedial Classes committee for the students performing poorly in various tests and examinations, Department of Zoology, BBAU, Lucknow

xiii. Chairperson, Coordination Committee for M.Phil. and Ph.D. admission for any issues related to research and Department level, Department of Zoology, BBAU, Lucknow

xiv. Chairperson, Departmental Admission Promotion Committee, Department of Zoology, BBAU, Lucknow

xv. Chairperson, Departmental Cultural Committee, Department of Zoology, BBAU, Lucknow

xvi. Chairperson, Departmental Community Participation and Development Committee, Department of Zoology, BBAU, Lucknow

xvii. Chairperson, Departmental Committee for Gender Parity, Department of Zoology, BBAU, Lucknow

xviii. Chairperson, Departmental IQAC Committee, Department of Zoology, BBAU, Lucknow

xix. Chairperson, Departmental Grievance Redressal Committee, Department of Zoology, BBAU, Lucknow

II. Excecutive Member

i. National Secretary, Zoological Society of India, Bodh Gaya, India

ii. Former Member, Executive Committee, Zoological Society of India, Bodh Gaya, India

III. Editor Member of Editorial Boards

i. Editor, Proceedings of Zoological Society of India, Bodh Gaya, Bihar

ii. Member, Editorial Advisory Board, National Journal of Life Sciences, Satna, M.P

IV. Membership of Professional Bodies/ Organization

i. Life member, Indian Academy of Science and Nature.

ii. Life Member, Indian Science Congress.

iii. Life Member, Environmental Protection and Rural Advancement Society.

iv. Life Member, National Academy of Sericultural Sciences.

v. Life Member, National Journal of Life Sciences

vi. Life Member, Glocal Environment & Social Association (GESA), New Delhi, India.

vii. Life Member, Blue Planet Society (BPS), Prayagraj, U.P., India.

viii. Life Member of Inland Fisheries Society of India (IFSI), Barrackpore

ix. Life Member of the Indian Academy of Environmental Sciences, Haridwar

x. Life Member of Society of Life Sciences

xi. Life Member of Zoological Society of India

xii. Life Member of Indian Society for Parasitology

Dr. V. Elangovan

i. Member, Board of Postgraduate Studies, Department of Zoology, BBAU

ii. Member of Departmental Research Committee

iii. Member, Academic Council, BBAU

Dr. Venkatesh Kumar R.

i. Member, Department Level Purchase Committee

ii. Member of Departmental Research Committee

iii. Member, Departmental Admission Committee

iv. Member, Departmental Council Committee, Department of Zoology, BBAU, Lucknow.

v. Member, Institutional Animal ethical committee, BBAU, Lucknow.

vi. Member, Departmental Parents Association Committee, Department of Zoology, BBAU, Lucknow

vii. Member, Departmental Alumni Association Committee, Department of Zoology, BBAU, Lucknow

viii. Member, Departmental Remedial Classes committee for the students performing poorly in various tests and examinations, Department of Zoology, BBAU, Lucknow

ix. Member, Departmental Cultural Committee, Department of Zoology, BBAU, Lucknow

x. Member, Departmental Grievance Redressal Committee, Department of Zoology, BBAU, Lucknow

Dr. Suman Mishra

i. Dy. Secretary, Zoological Society of India, Bodh Gaya, India

ii. Member, Executive Committee, Zoological Society of India, Bodh Gaya, India

iii. In-charge Regional Chapter, Zoological Society of India, Bodh Gaya, Bihar

iv. Member, British Society of Parasitology (BSP) (Member No.7024, Joined: 28 Oct., 2017)

v. Life Member, Coldwater Fisheries Society of India

vi. Life member, Blue Planet Society, Allahabad, India

i. Co-Coordinator, M.Sc. in Life Science.

ii. Training and Placement Officer (TPO), SBBT/DAAS, BBAU

iii. Member, Committee of Recruitment & Promotion Rules for non-teaching Staff of the University, BBAU

iv. Member, School Board of School for Bioscience and Biotechnology, BBAU

v. Member, Board of Undergraduate studies, DAAS, BBAU

vi. Member, Admission Committee, DAAS, BBAU

vii. Convener & Member, Research Scholar Grievance Committee, DAAS, BBAU

Dr. Sandhya

i. Member, Board of Post Graduate Studies (BPGS) of Department of Zoology for three years (Nov 2018-21)

ii. Member, Departmental Research Committee

iii. Member, Dissertation Supervisor allotment committee

iv. Member, M.Sc. Admission Committee

v. Member, Committee of Basic facilities for women

vi. Member, Dean Students Welfare of girl's hostel (DSW), BBAU

vii. Member in Committee of Basic facilities for women, BBAU.

Dr. Neeshma Jaiswal

i. Member, Board of Post Graduate Studies (BPGS) of Department of Zoology for three years (Nov 2018-21)

ii. Member, Departmental Research Committee Member, M.Sc. Admission Committee

iii. Membership of Academic Bodies/ University Committees

iv. Member of Editorial Board of Journal of Biological Sciences and Medicine (Online ISSN-2455-5266) since 31st March, 2019.

v. Convener, Departmental Council, September, 2019

vi. Editorial Board Member-Journal of Biological Sciences and Medicine, since March 30th, 2019; ISSN: 2455-5266.

vii. Coordinator of B.Voc. Live stock Production & Management w.e.f. 22.3.18 letter no. 2718.

viii. Member of Board of Post Graduate Studies w.e.f. 14.11.2018 vide office order no. 1706/ BBAU/18

ix. Member of Dissertation Supervisor allotment committee

x. Member of Departmental Admission Committee office order no.056/DZ/ BBAU/ 2018 dated 9.7.18

7. Details of Book written/edited by faculty members

Abha Mishra, Sandhya, and S. Maji, "Proceedings of National Conference on Research Development in Fisheries" ISBN no. 978-93-5396-043-8, Manas Printer, Lucknow, 2019

8. Details of Book Chapter in edited volume

i. Dipti Kashyap, Harsita Pandey, **Kamal Jaiswal** and Suman Mishra, "Fungal Diseases of Honey Bees: Current Status and Future Perspective" in Recent Developments in Fungal Diseases of LaboratoryAnimals Published by Springer Nature Switzerland AG, ISSN2198-7777, ISSN 2198-7785 (electronic), ISBN 978-3-030-18586-2.

ii. **Kamal Jaiswal**, Awanish Kumar Singh and Suman Mishra, "Mycotic Infections in Bovines: Recent Trends and Insights on Pathogenicity After Post-Industrial Temperature Rise" in Fungal Diseases of Laboratory Animals Published by Springer Nature Switzerland AG, ISSN 2198-7777, ISSN 2198-7785 (electronic), ISBN 978-3-030-18586-2.

iii. Leena Rastogi,Suman Mishra and **Kamal Jaiswal**, "Degradation of Azodye through microbialactivity" in Horizons in Zoological Studies Published by Bharat Press, New Delhi 2019, ISBN 978-935351-851-6.

iv. Silkworm. A unique Creature for Natural Products (2020) Authored by **Venkatesh Kumar R.** and Devika Srivastava, Edited by: Dr. Dhiraj Kumar, Dr. M. Shahid. Springer publication pp 95-109, ISBN 978-3-030-36609-4 ISBN 978-3-030-36610-0 (eBook).

v. Dipti Kashyap, Harsita Pandey, Kamal Jaiswal and **Suman Mishra**, "Fungal Diseases of Honey Bees: Current Status and Future Perspective" in Recent Developments in Fungal Diseases of Laboratory Animals Published by Springer Nature Switzerland AG, ISSN 2198-7777, ISSN 2198-7785 (electronic), ISBN 978-3-030-18586-2.

vi. Kamal Jaiswal, Awanish Kumar Singh and **Suman Mishra**, "Mycotic Infections in Bovines: Recent Trends and Insights on Pathogenicity After Post-Industrial Temperature Rise" in Fungal Diseases of Laboratory Animals Published by Springer Nature Switzerland AG, ISSN 2198-7777, ISSN 2198-7785 (electronic), ISBN 978-3-030-18586-2.

vii. Leena Rastogi, **Suman Mishra** and Kamal Jaiswal, "Degradation of Azo dye through microbialactivity" in Horizons in Zoological Studies Published by Bharat Press, New Delhi 2019, ISBN 978-935351-851-6.

9. Paper published during the year by the faculty members

i. Prevalence of Gastrointestinal Helminth Parasites in Gallus gallusdomesticus in Lucknow, U.P. India by **Kamal Jaiswal**, Suman Mishra, Anjum Bee in Advances in Zoology and Botany 8(5): 422-430, 2020.

ii. Histone Methylation Befuddledness in the Infralimbic Prefrontao Cortex and Their Association with Extinction Memory by Rohit Kanojia, Dinesh Raj Modi, Suman Mishra and **Kamal Jaiswal** in International Journal of Research and Review (IJRR), E-ISSN2348-9788, P-ISSN2454-2237, November, 2019, Volume.6, Issue 11.

iii. Behavioral acclimatization of fear memory and its relation with histone methylation in correlation with accurate nycleus of the hypothalamus, cAMP response element-binding protein and its target gene by Rohit Kanojia, Dinesh Raj Modi, **Kamal Jaiswal** in Journal of Emerging Technologies and Innovative Research (JETIR), ISSN 2349-5162, June 2019, Volume 6, Issue 6.

iv. Scanning electron microscopy of A scariadiagalli in Gallus gallusdomesticus in Lucknow, U.P., India by **Kamal Jaiswal**, Suman Mishra and Anjum Bee in Indian Journal of Science an 3rd Technology, 2020, Vol. 13, Issue: 19, Pages: 1944-1954.

vi. Studies on Prevalence of Gastrointestinal parasitic Infectionin Goat (Capra Hircus) in Lucknow (Uttar Pradesh) by **Kamal Jaiswal**, Suman Mishra and Savita in Journal of Experimental Zoology India, 2019, Vol. 23, No. 1, pp. 000-000, 2020 ISSN 0972-0030.

vii. Platinum Jubilee Lecture entitled "Biomimetics: Inspiration from Nature for …. Wel" in the Section of Animal Veterinary and Fisheries Sciences by **Kamal Jaiswal**in 107th Indian Science Congress held at University of Agricultural Sciences, Bangalore from January 3rd to 7th, 2020, Bangalore.

viii. Morphological and Molecular Characterizations of Guanophilic Fungi of Bats by Misra, P. K., Gautam, N. K. & **Elangovan, V.** in Proc. Natl. Acad. Sci., India, Sect. B, 10.1007/s40011-019-01129-2, 2019, ISSN 0369-8211.

ix. Effect of tree characteristics on roost selection of the Indian flying fox, Pteropusgiganteus by Ram Kumar & **V. Elangovan** in Journal of Bat Research & Conservation, 12 (1): 100-106, 2019

x. Bat guano: a rich source of macro and microelements essential for plant growth by Misra, P. K., Gautam, N. K. & **Elangovan, V.** in Annals of Plant and Soil Research 21(1): 82–86, 2019 ISSN 0972-1959

xi. The Effect of Seasonal Changes on Emergence Behaviour of the Indian Flying Fox, Pteropusgiganteus by Ram Kumar, Deep Narayan & **V. Elangovan** in Proceedings of the Zoological Society, 72(1): 74–78, 2019, ISSN 0373-5893.

xii. **R. Venkatesh Kumar,** Raghwendra Pratap Singh, Priyamvada Mishra. (2019) Endophytes as emphatic communication barriers of quorum sensing in Gram-positive and Gram-negative bacteria-a review ***Environmental Sustainability*****.** Volume 2, pp 455-468; doi:10.1007/s42398- 019-00079-9. **(Springer publication)**

xiii. Vimal Maurya, Pranesh Kumar, Sreemoyee Chakraborti, Ashok K. Singha Archana S. Bhadauria Umesh Kumar Dinesh Kumar Arnab

Pramanik Biswajit Sahad, **Venkatesh Kumar R.** (2019), Zolmitriptanaddenuates hepatocellular carcinoma via activation activation of caspase mediated apoptosis. *Chemico-biological interactions*, 308 pp 120-129 ISSN No. 0009-2797. Elsevier, Cite score 5.9 and Impact Factor 3.723.

xiv. Umesh Kumar, Avinash Jain, Anupam Guleria, **Venkatesh Kumar R**, Durga P Misra, Ruchika Goel, Debashish Danda, Ramnath Misra, Dinesh Kumar (2020) Circulatory Glutamine/Glucose ratio for evaluating disease activity in Takayasu arteritis: A NMR based serum metabolomics study, Journal of Pharmaceutical and Biomedical Analysis. Vol. 180 pp 113080. Elsevier, Cite score 5.5 and Impact Factor 3.209.

xv. Behavioral acclimatization of fear memory and its relation with histone methylation in correlation with accurate nycleus of the hypothalamus, cAMP response element-binding protein and its target gene by Rohit Kanojia, Dinesh Raj Modi, **Suman Mishra** and Kamal Jaiswal in Journal of Emerging Technologies and Innovative Research (JETIR), ISSN 2349-5162, June 2019, Volume 6, Issue 6.

xvi. Scanning electron microscopy of A scariadiagalli in Gallus gallusdomesticus in Lucknow, U.P., India By Kamal Jaiswal, **Suman Mishra** and Anjum Bee in Indian Journal of Science and Technology, 2020, Vol. 13, Issue: 19, Pages: 1944-1954.

xvii. Studies on Prevalence of Gastrointestinal parasitic Infectionin Goat (Capra Hircus) in Lucknow (Uttar Pradesh) By Kamal Jaiswal, **Suman Mishra** and Savita in Journal of Experimental Zoology India, 2019, Vol. 23, No. 1, pp. 000-000, 2020 ISSN 0972-0030.

xviii. **Mishra A** & Joy KP, 2020. Characterization of gonadotropin induced oocyte jelly coat from the catfish *Heteropneustesfossilis* (Bloch). International Journal of Environmental Science and Technology. 17, 287–294 (DOI: 10.1007/s13762-019-02299-2).

10. Attended/Participated in conference/seminar/ workshop inside country

i. **Prof. Kamal Jaiswal attended** in **Leadership for Academic Programme (LEAP)** of Ministry of Human Resource Development (MHRD) at Aligarh Muslim University from 15th Dec., 2019 to 30th Dec., 2019.

ii. **Prof. Kamal Jaiswal attended, Participated and Delivered an invited lecture on** "Biomimetics: Inspiration from Nature for human welfare" on Platinum Jubilee Lecture in the section of Animal Veterinary and Fisheries Sciences, during 107th Indian Science Congress, Organized by University of Agriculture Sciences, Bangalore from January 3rd to 7th, 2020.

iii. **Prof. Kamal Jaiswal attended, Participated** 32nd All India Congress of Zoology (AICZ) and International Conference on "Life Security on Earth", Organized by Adarsh Institute of Management & Science, Dhamnod, (M.P.), India, 22nd to 24th Feb, 2020.

iv. **Prof. Kamal Jaiswal attended, Participated** National Symposium on Coldwater Fisheries Development in India: Innovative approaches and way forward for enhancing hill farmers income Organized by ICAR-Directorate of Coldwater Fisheries Research Bhimtal-263136, Nainital, Uttarakhandin collaboration with Coldwater Fisheries Society of India, 24th-25th September, 2019.

v. **Dr. Venkatesh Kumar R. has** Participated in a National Conference on Research Development in Fisheries (NCRDF-2019) for 2 days (7-8 November, 2019) at Dept. of Zoology, BBAU.

vi. **Dr. Suman Mishra attended, Participated and Delivered an invited lecture on** "Scanning electron microscopy of microsporidia infecting honey bee (*Apismellifera* L.)" in International conference on "Life Security on Earth" (LSOE-2020) & 32nd All India Congress of Zoology Organized by P.G. Department of Zoology, AIMS, Dhamnod, Devi Ahalya Vishwavidyalaya, Indore (M.P.) & Zoological Society of India, Feruary 22-24, 2020.

vii. **Dr. Suman Mishra attended, Participated** 32nd All India Congress of Zoology (AICZ) and International Conference on "Life Security on Earth", Organized by Adarsh Institute of Management & Science, Dhamnod, (M.P.), India, 22nd to 24th Feb, 2020.

viii. **Dr. Suman Mishra attended, Participated** National Symposium on Coldwater Fisheries Development in India: Innovative approaches and way forward for enhancing hill farmers income Organized by ICAR-Directorate of Coldwater

Fisheries Research Bhimtal-263136, Nainital, Uttarakhandin collaboration with Coldwater Fisheries Society of India, 24th-25th September, 2019.

ix. **Dr. Sandhya attended and participated** in the Refresher Course held at UGC- HRDC, University of Delhi, New Delhi for 2 weeks (from 28-06-2019 to 11-07-2019), UGC sponsor.

x. **Dr. Sandhya with Dr. Abha Mishra, Assist. Professors, Dept. of Zoology, BBAU, organized** a National Conference on Research Development in Fisheries (NCRDF-2019) for 2 days (7th-8th November, 2019) at Dept. Of Zoology, BBAU, Organizing Secretary.

xi. **Dr. Sandhya attended Participated** in One day seminar on "World Immunology Day" on 29th April, 2019, (Under the aegis of Indian Immunology Society) organized by Department of Biotechnology, BBAU.

xii. **Dr. Neeshma Jaiswal attended and participated** in 30th National Congress of Parasitology & Global Summit on Malaria Elimination (NCP-GSME, 2019) held at Convention Centre, Jawaharlal Nehru University (JNU), New Delhi Organized by Special Centre for Molecular Medicine (SCMM) and the Indian Society for Parasitology (ISP) 26th Sep to 28th Sep 2019.

xiii. **Dr. Neeshma Jaiswal attended, participated and organized**a National Conference on Research Development in Fisheries (NCRDF-2019) for 2 days (7th-8th November, 2019) at Dept. of Zoology, BBAU, Organizing Secretary.

xiv. **Dr. Neeshma Jaiswal attended and participated** in International Conference on Wellness held at Chhatrapti Shahuji Maharaj University, Kanpur, India organized by University Institute of Health Sciences, CSJM, University Kanpur and Prayatna, 8th Nov to 10th Nov, 2019.

xv. **Dr. Neeshma Jaiswal attended and presented** inbaabaasaahoba BaImarava Ambao Dkriva Xvaiva ValayalaKna} ko 24vaoM vaYa-gaaMzpr Aayaaoijatra YT/Iyasa MgaaoYXI"raYT/inamaa-Namao MXa Oixaksa Msqaanaao Mkayaaogadana Baiva YyavaadI d/iY Tkao Namao Miva & anaevaMtkna Ik Iivakasasaoraoja, gaar] d Bavamao MPa 'ak Ritksa Msaa QanaaoMkI]pyaaoigata"iva Yayapr Saao Qa Pa~ p'stutikyaa .baabaasaahoba Ba ImaravaAmbao Dkriva Xvaiva Valaya 10th Jan to 11th Jan, 2020.

xvi. **Dr. Neeshma Jaiswal attended and participated in** Integrated Workshop on Publication Ethics and Patenting by Department of Energy & Environment, School of Environmental Sciences, Babasaheb Bhimrao Ambedkar University (A Central University), Vidya Vihar, Raebareli Road, Lucknow-226025, U.P. 10th Feb 2020.

xvii. **Dr. Neeshma Jaiswal attended and presented** in Presented Paper on "Innovative technologies as an alternate source to earn income: A stepping stone towards sustenance" International Conference on Environmental Sustainability: Innovations, Translational Dimensions and Way Forward by Department of Energy & Environment, School of Environmental Sciences, Babasaheb Bhimrao Ambedkar University (A Central University) Vidya Vihar, Raebareli Road, Lucknow -226025, U.P. 11th Feb to 12th Feb 2020.

xviii. **Dr. Neeshma Jaiswal attended and participated** in Presented Invited paper on "Innovative low cost technologies to enhance income of rural people" at 22nd Agricultural Scientists & Farmers' Congress on Post-Harvest Technology and management for empowering the rural society and employment generation by Bioved Research Institute of Agriculture Technology and Sciences (BRIATS), Mohrab, Shringverpur, Prayagraj-228411, 22nd Feb to 23rd Feb 2020.

11. Attended/Participated in conference/seminar/ workshop outside country

Prof. Kamal Jaiswal attended in Leadership for Academic Programme (LEAP)of Ministry of Human Resource Development (MHRD) at Monash University, Australia from 17th Feb. 2020 to 21st Feb., 2020

12. Details of invited lecture inside the country

i. **Prof. Kamal Jaiswal, Delivered an invited lecture on** "Biomimetics: Inspiration from Nature for human welfare" on Platinum Jubilee Lecture in the section of Animal Veterinary and Fisheries Sciences, during 107th Indian Science Congress, Organized by University of Agriculture Sciences, Bangalore from January 3rd to 7th, 2020.

ii. **Dr. Suman Mishra, Delivered an invited lecture on** "Scanning electron microscopy of microsporidia infecting honey bee (*Apismellifera L.*)" in International conference on "Life Security on Earth" (LSOE-2020) & 32nd All India Congress of Zoology Organized by P.G. Department of Zoology, AIMS, Dhamnod, Devi Ahalya Vishwavidyalaya, Indore (M.P.) & Zoological Society of India, Feruary 22nd-24th, 2020.

13. Details of National Awards/fellowship

i. **Prof. Kamal Jaiswal,** Invited for deliver Platinum Jubilee Lecture in the section of Animal Veterinary and Fisheries Sciences, during 107th Indian Science Congress held at University of Agriculture Sciences, Bangalore from January 3rd to 7th, 2020.

ii. **Prof. Kamal Jaiswal,** Awarded "**Prof. G. B. Shinde Award-2019",** in recognition of his outstanding academic contribution and achievements in the field of Life Sciences on the occasion of 8th Annual Session of SLS and International Conference on "Recent Advances in Life Sciences for Betterment of Environment and Human Health" organized by Department of Zoology, Govt. Holkar Science College, Indore (M.P.) from 14th to 15th December, 2019.

iii. **Prof. Kamal Jaiswal,** Awarded "**CFSI Gold Medal 2019**", 32nd Foudation Day of ICAR-DCFR by Coldwater Society of India, Directorate of Coldwater Fisheries Research, Bhimtal, Uttarakhand.

iv. **Prof. Kamal Jaiswal,** Awarded "**Innovative Educationist Award"** for his commendable contribution in the field of **New Methodology in Education**, during Global Conference on Our Biodiversity, Our Food & Our Health held at Botanical Survey of India (BSI) – CRC Prayagraj, (U.P.), India (2019).

v. **Dr.Venkatesh Kumar R.,** Awarded **"Awarded Certificate of Appreciation for exemplary"** work in spreading scientific awareness among common people, school children, graduates and post graduates on the occasion of "World Immunology Day" organized by Department of Biotechnology, Babasaheb Bhimrao Ambedkar University, Lucknow on 29th April, 2019.

vi. **Dr. Suman Mishra,** Awarded "**Best Faculty**" For Teaching Innovations Award by Glocal Environment & Social Association (GESA), New Delhi during Global Conference on Our Biodiversity, Our Food & Our Health, Botanical Survey of India (BSI)-CRC, Prayagraj, U.P., 21-22nd May, 2019.

viii. **Dr. Neeshma Jaiswal,** Awarded **"Bioved Young Scientist Associate Award-2020"** for outstanding contribution in the field of Parasitology on the occasion of 22nd Agricultural Scientists and Farmer Congress on Post-Harvest Technology and Management for empowering the rural society and employment generation at BIOVED, Prayagraj during 22nd-23rd February, 2020**.**

viii. **Dr. Neeshma Jaiswal,** Awarded **"Awarded Certificate of Appreciation for exemplary"** work in spreading scientific awareness among common people, school children, graduates and post graduates on the occasion of "World Immunology Day" organized by Department of Biotechnology, Babasaheb Bhimrao Ambedkar University, Lucknow on 29th April, 2019.

14. Detail of Research Project (Major/Minor)

i. **Dr. V. Elangovan**is running project titled "Foraging behaviour and ecological implications of insectivorous bats" funded by Science and Engineering Board, DST, New Delhi, No: EEQ/2018/000104 with grant of Rs. 4669000 from Feb 2019-Feb 2022.

ii. **Dr. V. Elangovan** is running project titled **"**A study on evolution and fitness consequences of conventional and alternative reproductive strategies in the Indian flying fox, *Pteropusgiganteus*" funded by Science and Engineering Board, DST, New Delhi, No: CRG/2019/000278 with grant of Rs. 4325240 from 23 Jan 2020-22 Jan 2023.

iii. **Dr. Abha Mishra**, is running project titled "Enhancement of immunity and nutritional value of fresh water fish *Heteropneustesfossilis* (Bloch, 1794) DBT (BT/PR21245/AAQ/3/830/2016): by novel arylvinylpyrimidine derivatives" of total cost Rs. 55,20,451/- (Rupees Fifty Five Lakhs Twenty Thousand Four Hundred and Fifty One Only)- for three years (Started on 16.3.2018, contd.).

iv. **Dr. Neeshma Jaiswal,** get approval of a project titled "Zoonotic induced alterations in histo-

chemical correlates, oxidative stress and ecological dynamics of certain riverine fishes" under UGC START UP GRANT on May, 2019.

15. Details of Patent filled/awarded

Dr. Venkatesh Kumar R. has filled one application for Patent.

16. Students achievements

I. Faculty wise Supervision of the Ph. D and M. Phil/dissertation and Thesis Submission/ Degree Awarded

Prof. Kamal Jaiswal

DOCTORAL RESEARCH (AWARDED)

i. Studies on prevalence of gastrointestinal parasites of *Capra hircus (L)* and evaluation of selected ethnoveterinary plants for anthelmintic activity. (Jyoti Pandey)

ii. Studies on Prevalence and status of acaricide resistance in *Rhipicephalus (Boophilus) microplus*, a common tick in U.P. (Neeraj Kumar)

iii. Detection, Morphology and Molecular Characterization of Nosema in Invertebrate (s) (Diptikashyap).

II. Accomplishments of students

- Number of student completed their Master/ Graduation/diploma: 38
- Number of student selected in teaching in higher education: 02
- Number of Student Pursuing higher studies : 01
- Number of student awarded SLET/NET/JRF/other fellowship: 03
- Detail of the publications of the students (Books/ Article/books' chapter): 02

17. Google profile of Faculty members

i. Prof. Kamal Jaiswal

https://scholar.google.com/citations?user=w-DjxmwAAAAJ&hl=en&oi=ao 210



Kamal Jaiswal

FOLLOW

Professor Department of Zoology, Babasaheb Bhimrao Ambedkar University, Lucknow-226025, Uttar

Verified email at bbau.ac.in

Sericulture Silkworm pathology parasitology

GET MY OWN PROFILE

TITLE	CITED BY	YEAR
Studies on Prevalence of Ixodid Ticks Infesting Cattle and Their Control by Plant Extracts KJSM Dilpreet Kaur IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) 10 (6), PP 01-11	15 *	2015
Ease of doing business in India: a vision of make in India A Singh, KK Jaiswal Economic Affairs 63 (1), 129-135	7	2018
Synthesis of promising bivoltine breed UP of the silkworm (Bombyx mori L.) for Uttar Pradesh SK Gangwar, K Jaiswal, P Dwivedi, V Gupta J. Agric. Biol. Sci 4, 25-27	6	2009
Level of adoption of different sericulture technologies at farmers level in Eastern Zone of Uttar Pradesh K Jaiswal, R Kumar Proceedings of the 20th Congress of the International Sericulture Commission	6	2005
Ethnoveterinary practices in India: A Review KJSM Dilpreet Kaur EUROPEAN JOURNAL OF PHARMACEUTICAL AND MEDICAL RESEARCH 2 (7), Pg. 139-143	5	2015
Preliminary study on diminution level of RNA/DNA ratio in tissue of Labeorohita by exposure to some endocrine disrupting compounds (EDCs) KJ Rita Verma, Atul K Singh Aceh Journal of Animal Science 1 (1), Pg. 16-20	4	2016

Cited by VIEW ALL

	All	Since 2015
Citations	59	51
h index	5	4
i10 index	1	1

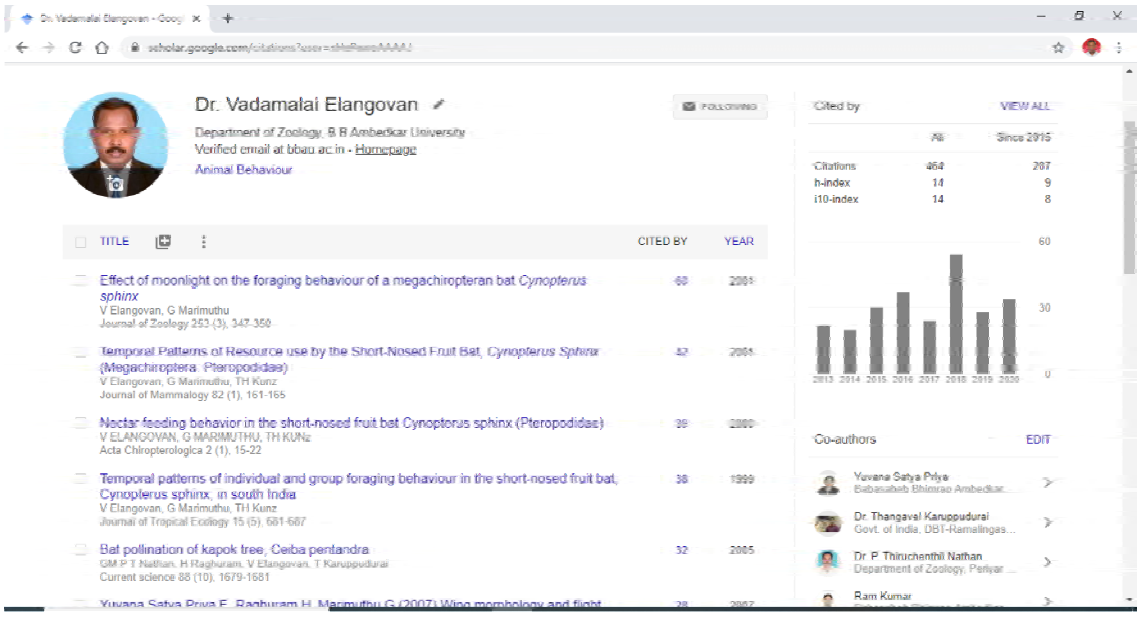
ii. Dr. V. Elangovan

https://scholar.google.com/citations? user=xHePxwoAAAAJ&hl=en&oi=ao

Citations: 464

h-index: 14

i10-index: 14



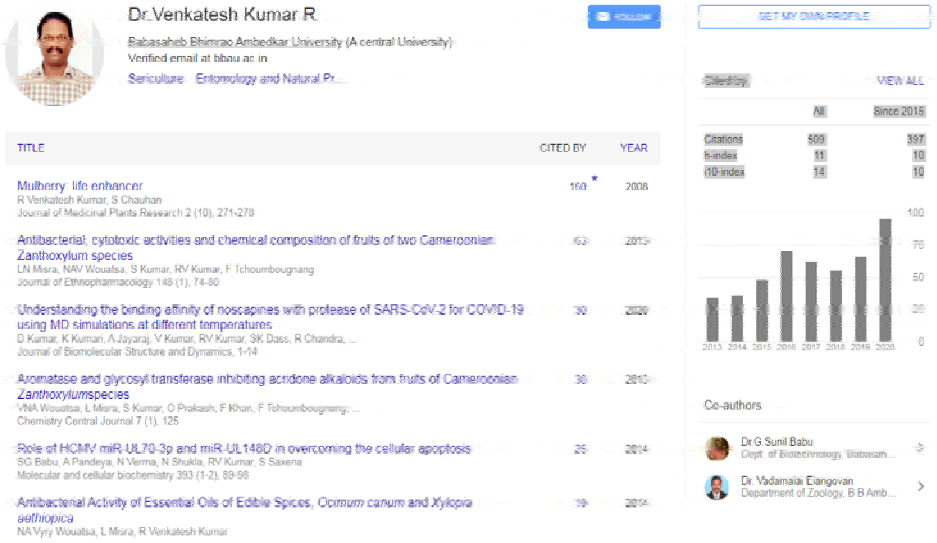
iii. Dr. Venkatesh Kumar R.

https://scholar.google.com/citations?user=wUB3hlYAAAAJ&hl=en&oi=ao

Total Citations: 510

h- index: 11

i10- index :14



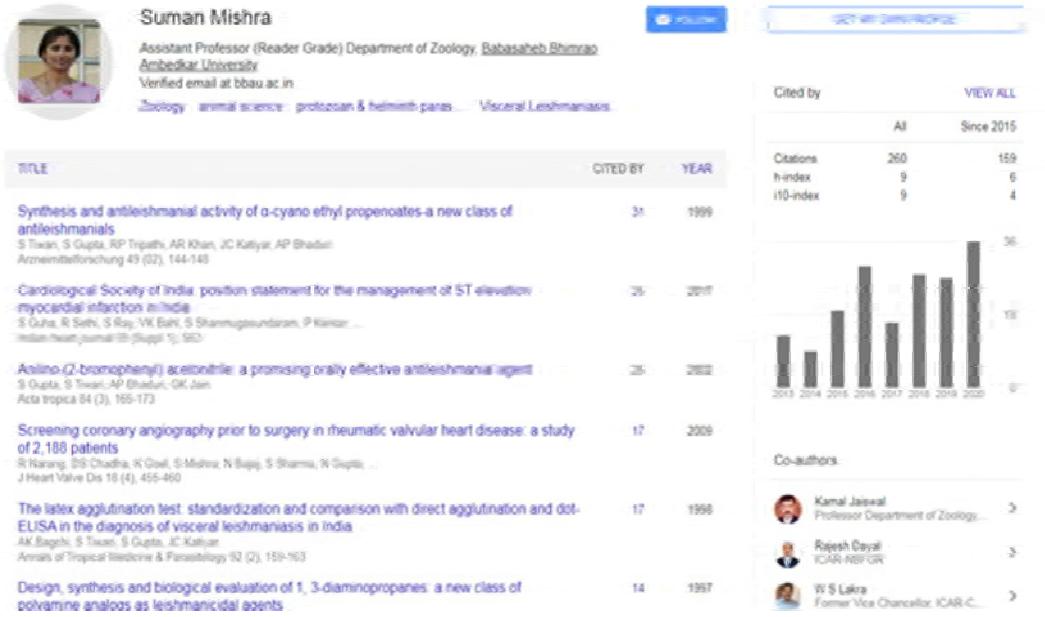
iv. Dr. Suman Mishra

https://scholar.google.com/citations?hl=en&user=5W9rNfEAAAAJ

Total Citations: 159

h- index : 6

i10- index : 04



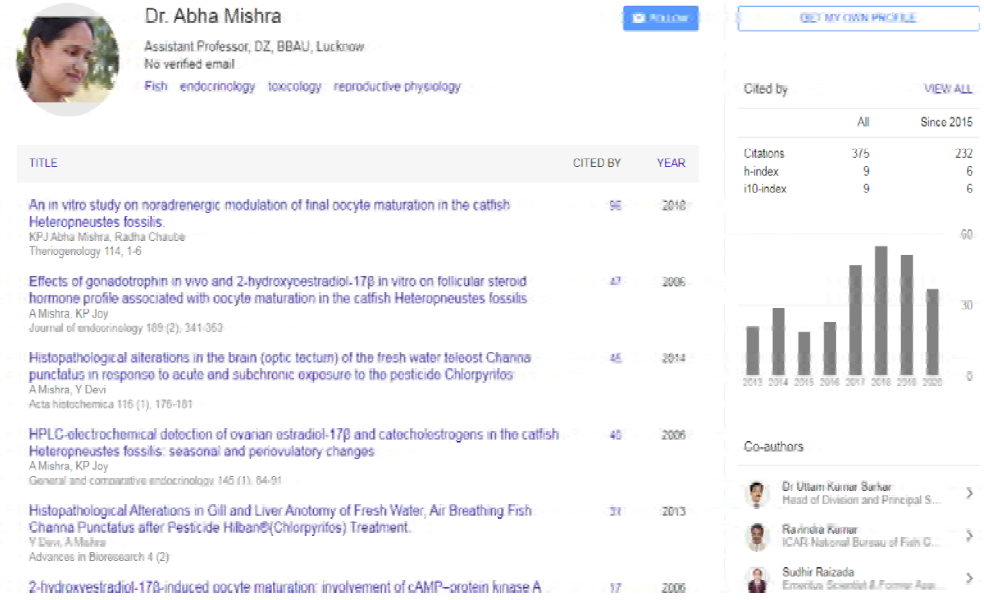
v. Dr. Abha Mishra

https://scholar.google.com/citations?user=bWaYGZ0AAAAJ

Total Citations : 232

h-index : 6

i10-index :06



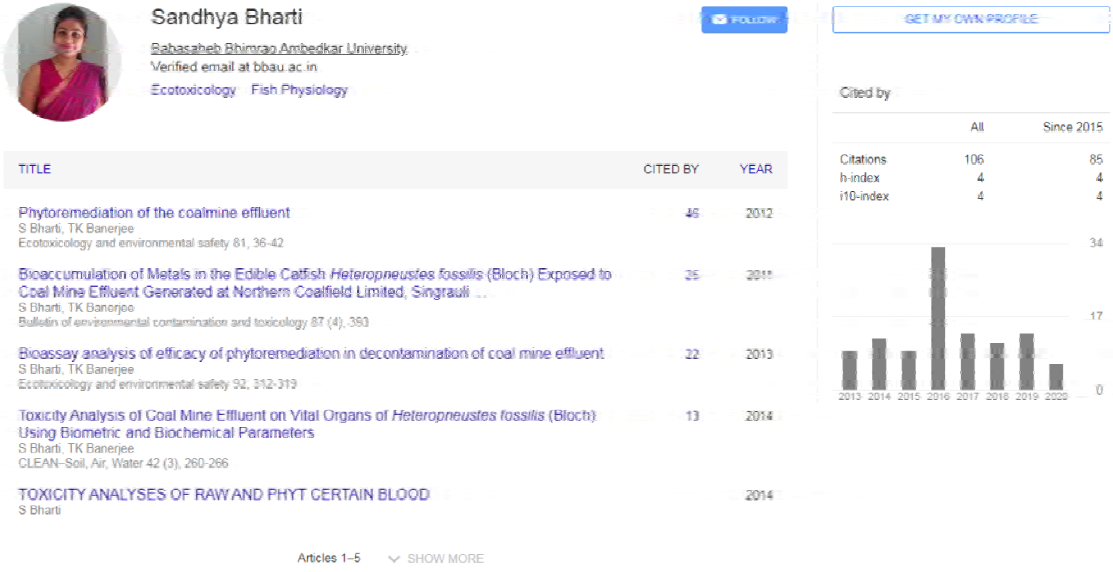
vi. Dr. Sandhya

https://scholar.google.com/citations?user=RSY_LGQAAAAJ&hl=en&oi=ao

Total Citations : 85

h- index : 04

i10- index : 04



Sandhya Bharti

Babasaheb Bhimrao Ambedkar University

Verified email at bbau.ac.in

Ecotoxicology Fish Physiology

FOLLOW GET MY OWN PROFILE

TITLE	CITED BY	YEAR
Phytoremediation of the coalmine effluent S Bharti, TK Banerjee Ecotoxicology and environmental safety 81, 36-42	46	2012
Bioaccumulation of Metals in the Edible Catfish *Heteropneustes fossilis* (Bloch) Exposed to Coal Mine Effluent Generated at Northern Coalfield Limited, Singrauli ... S Bharti, TK Banerjee Bulletin of environmental contamination and toxicology 87 (4), 393	25	2011
Bioassay analysis of efficacy of phytoremediation in decontamination of coal mine effluent S Bharti, TK Banerjee Ecotoxicology and environmental safety 92, 312-319	22	2013
Toxicity Analysis of Coal Mine Effluent on Vital Organs of *Heteropneustes fossilis* (Bloch) Using Biometric and Biochemical Parameters S Bharti, TK Banerjee CLEAN–Soil, Air, Water 42 (3), 260-266	13	2014
TOXICITY ANALYSES OF RAW AND PHYT CERTAIN BLOOD S Bharti		2014

Articles 1–5 SHOW MORE

Cited by

	All	Since 2015
Citations	106	85
h-index	4	4
i10-index	4	4

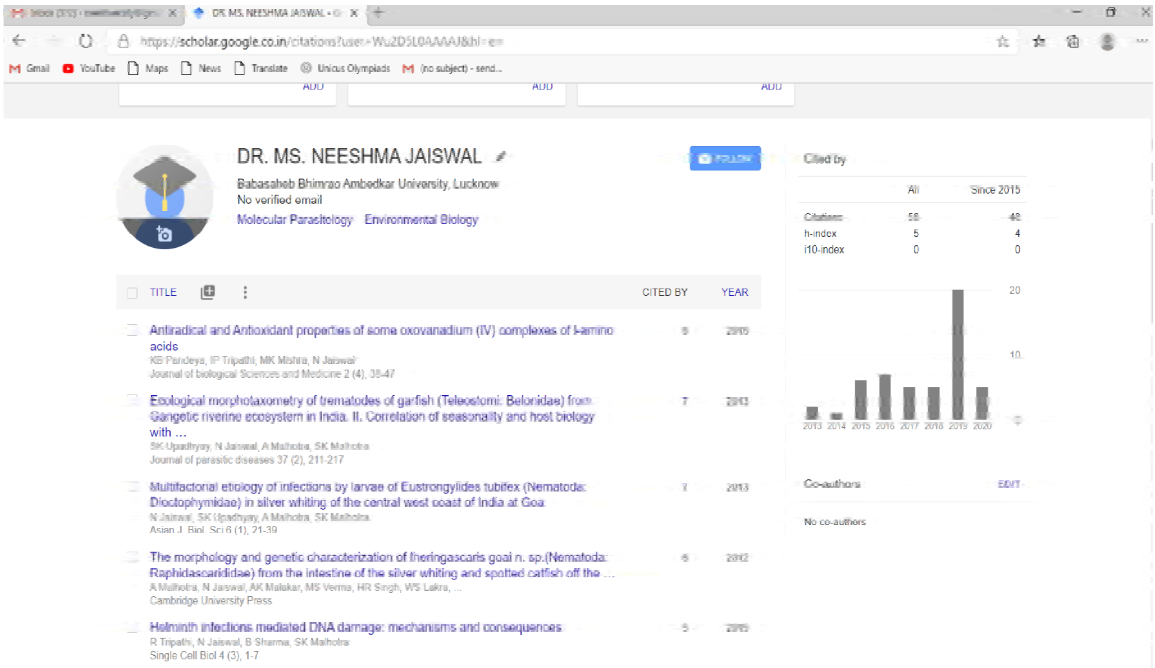
vii. Dr. Neeshma Jaiswal

https://scholar.google.com/citations?hl=en&user=Wu2D5L0AAAAJ

Total Citations : 48

h- index : 04

i10- index : 00



DR. MS. NEESHMA JAISWAL

Babasaheb Bhimrao Ambedkar University, Lucknow

No verified email

Molecular Parasitology Environmental Biology

FOLLOW

TITLE	CITED BY	YEAR
Antiradical and Antioxidant properties of some oxovanadium (IV) complexes of l-amino acids KB Pandeya, IP Tripathi, MK Mishra, N Jaiswal Journal of biological Sciences and Medicine 2 (4), 38-47	8	2015
Ecological morphotaxometry of trematodes of garfish (Teleostomi: Belonidae) from Gangetic riverine ecosystem in India. II. Correlation of seasonality and host biology with ... SK Upadhyay, N Jaiswal, A Malhotra, SK Malhotra Journal of parasitic diseases 37 (2), 211-217	7	2013
Multifactorial etiology of infections by larvae of Eustrongylides tubifex (Nematoda: Dioctophymidae) in silver whiting of the central west coast of India at Goa N Jaiswal, SK Upadhyay, A Malhotra, SK Malhotra Asian J. Biol. Sci 6 (1), 21-39	7	2013
The morphology and genetic characterization of Iheringascaris goai n. sp.(Nematoda: Raphidascarididae) from the intestine of the silver whiting and spotted catfish off the ... A Malhotra, N Jaiswal, AK Malakar, MS Verma, HR Singh, WS Lakra, ... Cambridge University Press	6	2012
Helminth infections mediated DNA damage: mechanisms and consequences R Tripathi, N Jaiswal, B Sharma, SK Malhotra Single Cell Biol 4 (3), 1-7	5	2015

Cited by

	All	Since 2015
Citations	58	48
h-index	5	4
i10-index	0	0

Co-authors EDIT

No co-authors

SCHOOL OF PHYSICAL AND DECISION SCIENCES

Initially (2010), there were four departments under the umbrella of the School of Physical Sciences namely Department of Applied Chemistry, Department of Mathmetices, Department of Applied Physices & Department of Statistices. However, keeping in view the cmployability and opportunities for the students, the nomenclature of the School as well as the Departments, have been restructured from ongoing academic session 2018, Subsequently, our School is known as the School of Physical and Decision Sciences (SPDS) and various Department under SPDS are classified as:-

i. Department of Chemistry
ii. Department of Mathematics
iii. Department of Physics
iv. Department of Statistics

DEPARTMENT OF CHEMISTRY

Brief introduction of the Department: Currently the department offers two years Postgraduate programme in Chemistry for which candidates are selected through National Level entrance test. The department also offers Ph.D. programme.

Infrastructural facilities available in the Department: The Chemistry department has a UV-Vis Spectrophotometer (Cary 100), Rheometer (Anton Paar), FTIR (Perkin Elmer SP2) and BET Surface analyzer (Belsorp-mini-II, make Bell Japan).

1. Course Offered

i. M.Sc. Chemistry
ii. Ph.D Chemistry

2. Facilities available in the Department

i. 01 M.Sc. Lab
ii. 01 Shopisticated Instrumentation Lab
iii. 01 Departmental Library.
iv. 01 Smart Class room
v. 01 Per teacher personal lab

3. Details of the Faculty

i. Prof. Kaman Singh

Professor, Department of Chemistry

Specilizatn: Physical Chemistry, Advance Surface Chemistry

Qualification: M. Sc.; Ph. D.

ii. Prof. Gajanan Pandey

Professor & Head, Department of Chemistry

Specilization: Materials Chemistry, Coordination Chemistry, Environmental Chemistry

Qualificatioin: M. Sc.; Ph. D

iii. Dr. Anjani Kumar Tiwari

Associate Professor

Specilization: Chemical Kinetics, Biomedical Sciences, Neuro-receptor quantification (TSPO/ AChE/5-HT), Neuochemistry, Computer added drug design (CADD) and Medicinal Chemistry, Radio Chemistry

Qualificatioin: M. Sc.; Ph. D.

iv. Dr. Jyoti Pandey

Assistant Professor

Specilization: Organic Synthesis, Medicinal Chemistry, Green Polymer and Carbohydrate Chemistry

Qualificatioin: M. Sc.; Ph. D.

v. Dr. Shailesh Kumar

Assistant Professor

Specilization: Synthetic Medicinal Chemistry, Diversity Oriented Synthesis of Heterocyles of medicinal importance, Organocatalysis

Qualificatioin: M. Sc.; Ph. D.

vi. Dr. Preeti Gupta

Assistant Professor

Specilization: Heterocyclic Glycosidase Inhibitors, Medicinal Chemistry, Green Chemistry

Qualificatioin: M. Sc.; Ph. D.

vii. Dr. Jawahar L. Jat

Assistant Professor

Specilization: Development of new synthetic methodologies, Green and Sustainable Synthetic Chemistry, Medicinal Chemistry.

Qualificatioin: M. Sc., Ph. D.

4. Details of the seminar/conference organized by the Department

i. Convenor (Dr Anjani Kumar Tiwatri)- Two day workshop on "Cheminformatics in drug discovery and research" on 26th-27th Feb 2020

ii. Joint Organizing Secretary (Dr Preeti Gupta)- International Conference (Global Conference on the Control of Green House Gases at the Source by Physical and Chemical Technology (GCCGHGSPCT2k19). 22nd-24th April, 2019.

5. Other Departmental level Academic Activities

i. BBAU-DRDO ER-IPR (Directorate of Extramural Research & Intellectual Property) at 15:30 on 6th Feb 2020 Organized by Dr. Anjani Kumar Tiwari

6. Co-curricular/Extra-curricular/sports Activities by the department

i. Dr. Jyoti Pandey worked as Jt. Organizing Secretary, GCGHGSPCT-2k19 organized by Department of Chemistry, BBAU during April 22nd-24th, 2019

ii. Dr. Shailesh Kumar worked as Jt. Organizing Secretary, GCGHGSPCT-2k19 organized by Department of Chemistry, BBAU during April 22nd-24th, 2019.

iii. Dr. Preeti Gupta worked as Jt. Organizing Secretary, GCGHGSPCT-2k19 organized by Department of Chemistry, BBAU during April 22nd-24th, 2019

7. Members/fellowship of professional/ Academic bodies/editorial board

Prof. Kaman Singh

i. School Board of Studies, SPDS, BBAU - Member

ii. Department of Research Committee - Member

iii. Nano and Molecular Society, India - Life Member

iv. Int. J. Water Cons. Env. Eng. Australia - Editorial Board Member

v. UP State Uchha Shiksha Parishad - Member

Prof. Gajanan Pandey

i. Board of Postgraduate Studies, DoC, BBAU - Chairman

ii. Departmental of Research Committee - Chairman

iii. Academic Council, BBAU, Lucknow - Member,

iv. Academic Council, Central Institute of Plastic Engineering and Technology (Ministry of Chemicals and Fertilizers, Govt. of India) Lucknow - Member

v. Advisory/Expert Committee for Chemical and Pharmaceutical Sciences, Council of Science & Technology, U.P. - Member,

vi. Board of Post Graduate Studies, Department of Chemistry, BBAU, Lucknow-Member

vii. School Board of Physical Sciences, BBAU, Lucknow - Member

viii. Board of Studies and DRC at Madan Mohan Malviya Technological University, Gorakhpur - Member

ix. Board of Studies Mahatma Gandhi Central University, Bihar - Member

x. Board of Studies, MITS, Gwalior - Member

xi. Admission Committee, Department of Chemistry, BBAU, Lucknow - Member

Dr. Anjani Kumar Tiwari

i. JSPS Bridge Fellowship 2019-20 - Fellow

ii. MEXT fellowship committee Japan 2019 & 2020 - Member

iii. Commissioned visiting researcher at - Fellow/ Visiting Researcher

iv. Quantum medical sciences directorate, NIRS, Department of advanced nuclear sciences from1 April 2018 to 31st March 2021. Society of Nuclear Medicine and Molecular Imaging (SNMMI) - Full Member (Member ID: 413214)

v. International Society of Radiopharmaceutical Sciences (SRS) - Full Member (Member ID: 1817)

vi. The Japanese Society for Neurochemistry - Member (C07452)

vii. The Japan Neuroscience Society - Member

Dr. Jyoti Pandey

i. School Board of Studies, SPDS, BBAU - Member

ii. Scientific Expert Committee - Member ASEAN-INDIA S & T Cooperation programs, DST, New Delhi

iii. Departmental of Research Committee - Member (Invitee)

Dr. Shailesh Kumar

i. Board of Postgraduate Studies, DoC, BBAU - Member (Invitee)

ii. Departmental of Research Committee - Member (Invitee)

iii. Admission Committee Doc 2019-20 - Member

iv. The Association of Chemistry Teachers - Life member

v. The Indian Science Congress - Life member

vi. Anti-Ragging Cell and Anti-Ragging Squad, BBAU - Member

vii. Garden and Beautification Committee, BBAU - Member

viii. Degree Screening, verification and Distribution Committee for VIII Convocation, 2019, BBAU - Member

ix. Mebmer of Degree Screening, Verfication and Distribution Commitee for 8th Convocation of BBAU, 2019.

Dr. Preeti Gupta

i. Board of Postgraduate Studies, DoC, BBAU- Member

ii. Departmental of Research Committee, DoC, BBAU - Member

Dr. Jawahar Lal Jat

i. Board of Undergraduate Studies, UIET, BBAU - Member

ii. Departmental of Research Committee - Member

8. Details of Book Chapter in edited volume

i. Jyoti Pandey (2019). vkca/ku ,oa ladj.k dk foKku. Book entitled "Gyan-Vigyan, Shakshik Nibandh", Paridrisya Prakashan, Mumbai (ISBN: 978-81-939877-9-7)

ii. Jyoti Pandey and A.K. Shukla (2019). Hydroxamates based chemotherapeutics: Frontier in drug discovery and development. Book entitled "Advances in Chemical and Applied Sciences", vol.2, Firstprint publication, Prayagraj-211002 (ISBN: 978- 93-88018-17-3)

iii. Jyoti Pandey (2020). Biopolymers and their application in wastewater treatment. Book entitled "Emerging Eco-friendly Green Technologies for Wastewater Treatment" (ISBN 978-981-15-1390-9 (eBook) https:// doi.org/10.1007/978-981-15-1390-9)

9. Paper Published during the year by the faculty members

i. Modified benzoxazolone (ABO-AA) based single photon emission computed tomography (SPECT) probes for 18 kDa translocator protein Srivastava, Pooja; Kakkar, Dipti; Kumar, Pravir; Tiwari, **Anjani Kumar.** Drug Development Research, 80, 2019, 741-749

ii. Comparative evaluation of 99m Tc- MBIP-X/11 [C] MBMP for visualization of 18 kDa translocator proteinSrivastava, Pooja and Kumari, Neelam and Kakkar, Dipti and Kaul, Ankur and Kumar, Pravir and Tiwari, **Anjani K** New Journal of Chemistry, 43, 2019, 11288-11295.

iii. Synthesis and Preclinical Evaluation of Radioligand, 99mTc DO3A Et RPAR for Imaging NRP1 Specific Tumor. Anupriya Adhikari, **Anjani K**. Tiwari, Abha Shukla, Anil K. Mishra and Anupama Datta. (Accepted Article) Chem. Select *DOI. 10.1002/slct201902556

iv. Radiosynthesis and evaluation of acetamidobenzoxazolone based radioligand [11C] N2-MPB for visualization of 18 kDa TSPO in brain **Tiwari, Anjani** Kumar and Zhang, Yiding and Yamasaki, Tomoteru and Kumari, Neelam and Fujinaga, Masayuki and Mori, Wakana and Hatori, Akiko and Nengaki, Nobuki and Mishra, Anil Kumar and Zhang. New Journal of Chemistry, 44, 2020, 7912-7922.

v. "A Review on Modern Synthetic Route for the Construction of 1, 3-Diazanaphthalene Moiety" VKS Mohd. Faheem, **Anjani K. Tiwari** , Current Organic Chemistry, vol.24 (10), pp.1108-1138, 2020

vi. Computational prediction of interaction and pharmacokinetics profile study for polyamino-polycarboxylic ligands on binding with human serum albumin. Chadha, Nidhi and Singh, Dushyant and Milton, Marilyn D and Mishra, Gauri and Daniel, Joseph . Mishra, Anil K and **Tiwari, Anjani K** New Journal of Chemistry, 44, 2020, 2907-2918.

vii. A Review on the Modern Synthetic Approach of Benzimidazole Candidate Faheem, Mohd and Rathaur, Anjali and Pandey, Apoorva and Kumar Singh, Vinay and **Tiwari, Anjani K** Chemistry Select, 5, 2020, 3981-3994.

viii. Deepak Kumar, **Jyoti Pandey**, Nida Khan, Pramendra Kumar, Patit P. Kundu Synthesize and Characterization of Binary Grafted Psyllium For Removing Toxic Mercury (II) Ions From Aqueous Solution. *Materials Science and Engineering: C* **2019**, 104, 109900. **(Impact Factor: 5.88)**

ix. Deepak Kumar, Vinit Raj, AbhishekVerma, Pramendra Kumar, **Jyoti Pandey** Novel binary grafted chitosan nanocarrier for sustained release of curcumin *International Journal of Biological Macromolecules* **2019**, 131, 184-191. **(Impact Factor: 5.162)**

x. Access to enantioenriched 4-phosphorylated ´-lactones from ²-phosphorylenones and enals via carbene organocatalysis Ram Subhawan Verma, Anil Kumar Khatana, Monika Mishra, **Shailesh Kumar** and Bhoopendra Tiwari *Chem. Commun*., **2020**, *56*, 7155-7158.

xi. Global Access to 3/4-Phosphorylated Heterocycles via a Carbene-Catalyzed Stetter Reaction of Vinylphosphonates and Aldehydes Ram Subhawan Verma, Monika Mishra, Chandra Bhan Pandey, **Shailesh Kumar**, and Bhoopendra Tiwari *J. Org. Chem*. **2020**, 85, 12: 8166–8175

xii. Brevifoliol and its Analogs: A New Class of Anti-tubercular Agents Balakishan Bhukya,, Sarfaraz Alam, Vinita Chaturvedi, Priyanka Trivedi, **Shailesh Kumar**, Feroz Khan, Arvind S. Negi1 and Santosh Kumar Srivastava *Current Topics in Medicinal Chemistry*, **2020**, 20: 1-11

xiii. Design, synthesis, in vitro and in silico studies of 2, 3-diaryl benzofuran derivatives as antitubercular agents Balakishan Bhukyaa, Aparna Shukla, Vinita Chaturvedi, Priyanka Trivedi, **Shailesh Kumar**, Feroz Khan, Arvind S. Negia, Santosh Kumar Srivastava *Bioorganic Chemistry*, **2020**, (99), 103784

xiv. Brevifoliol ester induces apoptosis in prostate cancer cells by activation of caspase pathway Balakishan Bhukya; Kaneez Fatima; Abhishek Nagar, Vijayalakshmi, Poornima Dubey, **Shailesh Kumar**,Yogesh Kumar, Suaib Luqman, Debabrata Chanda, Sudeep Tandon, Karuna Shanker, Feroz Khan,Arvind S. Negi *Chem. Bio Drug. Des.* **2019**; 00: 1-13

xv. Synthetic heterocyclic candidates as promising alpha-glucosidase inhibitors: An overview. Manoj Dhameja, **Preeti Gupta** *Eur. J. Med. Chem*., **2019**, 176, 343-377. **(I.F. 5.57)**

xvi. Chiral fused 1,2,3-Triazoles: A synthetic overview, Manoj Dhameja, Hariom Kumar and **Preeti Gupta,** *Asian. J. Org. Chem.* **2020**, 9, 721-748. **(I.F. 3.13)**

xvii. Stereoselective Oxidative Rearrangement of Disubstituted Unactivated Alkenes Using Hypervalent Iodine (III) Reagent.

xviii. Chandra Bhan Pandey, Tazeen Azaz, Ram Subhawan Verma, Monika Mishra, Jawahar L. Jat, Bhoopendra Tiwari. *J. Org. Chem*. **2020**, *85, 15*, 10175-10181. (I.F. 4.4)

xix. Zinc(II)-Catalyzed Synthesis of Secondary Amides from Ketones via Beckmann Rearrangement Using Hydroxylamine-O-sulfonic Acid in Aqueous Media. Verma, Saumya; Kumar, Puneet; Khatana, Anil K.; Chandra, Dinesh; Yadav, Ajay K.; Tiwari, Bhoopendra; **Jat, Jawahar L***. *Synthesis*, **2020**, *52 (21)*, 3272-3276. (I.F. 2.7)

xx. Direct Synthesis of Secondary Amides from Ketones through Beckmann Rearrangement Using O-(mesitylsulfonyl)hydroxylamine. Dinesh Chandra, Saumya Verma, Chandra Bhan Pandey, Ajay K.Yadav, Puneet Kumar, Bhoopendra Tiwari, **Jawahar L. Jat***. *Tetrahedron Lett.*, **2020**, *61(18)*, 151822. (I.F. 2.3)

xxi. Cu (OTf) 2-Catalyzed Beckmann Rearrangement of Ketones Using Hydroxylamine-Osulfonic Acid (HOSA). Munnuri, Sailu; Verma, Saumya; Chandra, Dinesh; Anugu, Raghunath Reddy; Falck, John R.; **Jat, Jawahar L***. Synthesis, **2019**, 51(19), 3709-3714. (I.F. 2.7)

xxii. Efficient Anticarcinogenic Activity of ±-Fe^2O^3 Nanoparticles: *In-vitro* and Computational Study on Human Renal Carcinoma Cells HEK-293, G. Abbas, K. Bahadur, N. Kumar, A. Shukla, D. Kumar, **Gajanan Pandey, Materials Today Communications, 2020** (under publication).

xxiii. Self-Assembled Carbon Nitride/Cobalt (III) Porphyrin Photocatalyst for Mimicking Natural Photosynthesis, C. Singh, S. Chaubey, P. Singh, K. Sharma, Shambhavi, A. Kumar, R.K. Yadav, D.K. Dwivedi, J.-O. Baeg, U. Kumar, B.C. Yadav, **Gajanan Pandey**, **Diamond & Related Materials, 2020,** 101: 107648-107653.

xxiv. Effect of reaction temperature on shape evolution of palladium nanoparticles and their cytotoxicity against A-549 lung cancer cells, Gulam Abbas, Narendra Kumar, Devesh Kumar, **Gajanan Pandey, ACS Omega 2019**, 4, 21839-21847**.**

xxv. Nitrogen donor ligand for capping ZnS quantum dots: a quantum chemical and toxicological insight, V. Pandey, V.K.Tripathi, K.K. Singh, T. Bhatia, N.K. Upadhyay, B. Goyal, **Gajanan Pandey,** I. Hwang, P. Tandon, RSC Advances (RSC) , 2019, 9, 28510–28524

xxvi. Double-Fold Ortho and Remote C–H Bond Activation/Borylation of BINOL: A Unified Strategy for Arylation of BINOL, B. Chattopadhyay, R. Bisht, J. Chaturvedi, **Gajanan Pandey**, **Organic Letters (ACS), 2019**, 21, 6476-6480.

10. Attended/participated in conferences/ seminar/workshop inside country

i. **Dr Shaliesh Kumar** participated and presented a paper on **An approach towards the Sustainable Development by Green Chemical Synthesis in 3rd Annual Conference of** Association of the Socio-Economic Development Studies (ASEDS) on "Globalization, Growth and Sustainability" **at** Dr. Shakuntala Misra National Rehabilitation University, Lucknow held on Nov. 15-16, 2019.

ii. **Dr. Jyoti Pandey attended** training on faculty development program at BBAU, Lucknow during 02.03.20 to 06.03.20 sponsored by NIDM, New Delhi.

iii. **Dr. Jyoti Pandey attended and presented a paper on** "Development of binary grafted chitosan film for green food packaging" in the International Conference on Emerging Advancement in Science & Technology. September 5th–6th, 2019 at Manekshaw auditorium, New Delhi organized by Solid State Physics Laboratory, DRDO, Delhi.

iv. **Dr. Jyoti Pandey attended and delivered an invited talk** on the topic **"**Modified chitosan film and their potential in food packaging" in the National Seminar on Innovative Frontiers in Applied Sciences. September 26th-28th, 2019. Organized by Chemical society, Department of Chemistry, CMP Degree College, Prayagraj.

v. **Dr. Preeti Gupta** attended and presented poster on **"**Synthetic heterocyclic candidates as promising alpha-glucosidase inhibitors**"** at 4th International Conference on "Recent advances in Science" ICRAS 2020 organized by Faculty of Science, Invertis University, Bareillyduring 28th-29th February 2020.

11. Attended participated in conference/seminar/ workshop outside country

i. **Dr. Anjani Kumar Tiwari**, Presented paper on Third generation TSPO ligands and beyond at 5th International Medical Olympiad, Thessaloniki Greece, 3rd-6th October 2019

12. Details of invited lectures inside country

i. **Dr. Jyoti Pandey delivered an invited talk** on the topic **"**Modified chitosan film and their potential in food packaging" in the National Seminar on Innovative Frontiers in Applied Sciences. September 26th-28th, 2019. Organized by Chemical society, Department of Chemistry, CMP Degree College, Prayagraj.

ii. **Dr. Jyoti Pandey delivered an invited talk** on the topic **"**Intellectual property right (IPR) and innovation" in the DIC programme of Centre of Biotechnology, University of Allahabad, Prayagraj. September 27th, 2019.

13. Details of National Awards/Fellowship

i. Dr. Anjani Kumar Tiwari 02 (DBT Travel Award, 2019, ICMR travel Award 2019)

14. Details of International Awards/Fellowship

i. JSPS Bridge fellowship

ii. International Travel Award 2019 Indian Council of Medical Research (ICMR), India

15. Details of Research Projects (Major and Minor)

i. **Dr. Preeti Gupta** is running a DST-Inspire Faculty Award project titled "An Approach towards Novel Steroidomimetics-Design and Synthesis of Structurally Diverse Steroid-Sugar Hybrids and Azasteroids (DST/Inspire Faculty Award/2013/ CH-110 dated 28.10.13) with grant of 7 lakhs.

16. Students achievements

Faculty wise supervision of the Ph.D degree submitted

S.No.	Students	Guide	Co-guide	Title	Felloship aviled/aviling
1.	Mr. Akhilesh Kumar Shukla	Dr. Jyoti Pandey	-	"Synthesis and characterization of some biologically active nitrogen containing compounds: Development of new chemotherapeutic agents"	UGC
2.	Ms Reena Patel	Dr. Shailesh Kumar	Dr. Sheila Srivastava	"Pd(II) and Ir(III) catalyzed oxidation of Pharmaceutical drugs (Gabapentin and Paracetamol) by Potassium bromate in acidic medium: A Comparative study".	BBAU
3.	Mr. Ashok Kumar	Prof. Kaman Singh	-	Adsorption Mechanism of Cellulase and its Derivatives onto Varous Solid Surfaces	
4.	Mr. Prashant Mishra	Prof. Kaman Singh	-	Adsorption of Phenol and it's Derivatives from Aqueous System by Modified Adsorbents	UGC-JRF
5.	Mr. Utkarsh Dixit	Prof. Kaman Singh	-	Adsorptiopn Equliberium Studies of Dye Adsorption Onto Modified Adsorbents	UGC-JRF
6.	Mrs. Madhu Lata	Prof. Kaman Singh	-	Power ultrasound (PUS) assisted removal of selected organic pollutants from aqueous solutions onto solid surface.	UGC
7.	Ms Ayushi Mishra	Prof. Kaman Singh	-	Relevance of Adsorption Models for the Removal of Carcinogenic Pollutants by Modified Adsorbents	UGC
8.	Mr. Presenjit	Prof. Kaman Singh	-	Evaluation of Schiff base of d and f block elements for biological activities	UGC
9.	Ms. Jagriti Chaturvedi	Prof. Gajanan Pandey	Dr. Buddhadeb Chattopadhyay CBMR, Lucknow	Iridium catalyzed C-H bond activation and borylation of aromatic compounds	Drop fellowship
10.	Mr. Gullam Abbas	Prof. Gajanan Pandey	--	Synthesis and characterization of nanoparticles and their bio-catalytic applications	UGC
11.	Mr. Kijay Bahadur Singh	Prof. Gajanan Pandey	--	Green synthesis of metallic nanoparticles and their catalytic activity	CSIR-JRF
12.	Ms. Neelam Gautam	Prof. Gajanan Pandey	--	Green Synthesis of Nanostructured Materials And Their Catalytic Activity	UGC-JRF
13.	Mr. Deen Dayal Upadhyay	Prof. Gajanan Pandey	--	Green synthesis of oxide supported metal nanoparticles and their catalytic applications in organic transformations	UGC
14.	Ms. Snigdha	Prof. Gajanan Pandey	--	Green synthesis, characterization and catalytic activity of nanoscale materials	UGC
15.	Ms. Meenakshi Saklani	Dr. Anjani Kumar Tiwari	Dr. Raunak, Sc. E INMAS, DRDO-Delhi	Peptidic agent for angiogenesis	Drop fellowship

16.	Mr. Vijay Kumar Singh	Dr. Anjani Kumar Tiwari	Synthesis and Biological Evaluation of Purinergic Receptor Ligands	UGC	
17.	Mr. Chandraprakash Gond	Dr. Anjani Kumar Tiwari	Cheminformatics' (QSAR & Docking) Study for Screening of Novel Ligands for Neuro/Onco Targets	NFSC	
18.	Ms. Deepika Singh	Dr. Anjani Kumar Tiwari	--	Synthesis and Biological Evaluation of SEROTONIN 5-HT Ligands	UGC
19.	Ms. Priya Singh	Dr. Anjani Kumar Tiwari	--	Synthesis and Biological Evaluation of TSPO Selective Ligands	
20.	Mr. Baldev Singh	Dr. Jyoti Pandey	-	"Development of new chemotherapeutic agents based on aromatic and heterocyclic scaffolds"	UGC
21.	Ms. Preeti Kanchan	Dr. Jyoti Pandey	-	"Modification of polysaccharide-based materials: synthesis, characterization and applications"	UGC
22.	Mr. Ram Subhawan Verma	Dr. Shailesh Kumar	Dr. Bhoopendra Tiwari, CBMR, Lucknow	Organocatalytic asymmetric transformations for organic synthesis	CSIR-JRF
23.	Mr. Sumit Kumar	Dr. Shailesh Kumar	--	Synthesis, characterization and biological studies of novel quinazoline derivatives	UGC
24.	Mr. Balakishan Bhukya	Dr. Shailesh Kumar	Dr. Arvind Singh Negi, CSIR-CIMAP, LUCKNOW Fellowship getting form CSIR-CIMAP, LUCKNOW	Studies on synthesis of designed and isolated anticancer molecules	Drop fellowship
25.	Mr. Manoj Dhameja	Dr. Preeti Gupta	--	Design, Synthesis And Biological Evaluation Of Heterocycle Based Glycosidase Inhibitors	UGC
26.	Mr. Hariom Kumar	Dr. Preeti Gupta	--	Design, Synthesis And Biological Evaluation Of Novel 1,3,4-Thiadiazole Derivatives	UGC
27.	Ms. Saumya Verma	Dr. Jawahar Lal	--	Studies of oxygen substituted hydroxyl amine as a reagent in Beckmann rearrangement	CSIR-JRF
28.	Mr. Ajay Kumar Yadav	Dr. Jawahar Lal	--	Direct N-H/N-Me Aziridination of Unactivated Olefins Using O-(Sulfonyl) hydroxylamines as Aminating Agents.	UGC
29.	Mr. Puneet Kumar	Dr. Jawahar Lal	--	Development of Newer Synthetic Methodologies for the Synthesis of Nitrogen Containing Heterocyclic and Acyclic Compounds using O-substituted Hydroxylamine Reagents	NFSC
30.	Mr. Dinesh Chandra	Dr. Jawahar Lal		Synthesis of Structurally Rich Heteroatomic Compounds using Aminating Reagents and their Biological Evaluation.	UGC

17. Any other special achievement recorded by the students

I. Mr. Utkarsh Dixit (Research Scholar) Supervision of Prof. Kaman Singh

S. No.	Name of Award/ Fellowship etc.	Elected/Honorary Fellow	Awarded by	Year of Award
1.	UGC-JRF	Qualified in the National Eligibility Test-Junior Research Fellowship (NET-JRF) of the UGC and the UGC-Council of Scientific and Industrial Research (UGC-CSIR) joint test	UGC, New Delhi	2019
2.	GATE-2020	Graduate Aptitude Test in Engineering (GATE) is basically a national examination on the comprehensive understanding of the candidates in various	MHRD, New Delhi	2020

II. Mr. Manoj Dhameja (Research Scholar) supervision of Dr. Preeti Gupta

S. No.	Name of Award/Fellowship etc.	Elected/Honorary Fellow	Awarded by	Year of Award
1.	2nd Best Poster Presentation Award	Poster Presentation	4th International Conference on "Recent advances in Science" ICRAS 2020 organized by Faculty of Science, Invert is University, Bareilly during 28th -29th February 2020.	2020

18. Details of the Publication of the students (Books/Article/Books' chapter

I. Mr. Ashok Kumar (Research Scholar) Supervision of Prof. Kaman Singh

S. No.	Date	Title	Name of journal	I.F./ISBN
1.	07 Jun 2020,	Binding aspects of carboxymethyl cellulose onto polymeric surface from its aqueous solutions	Journal of Dispersion Science and Technology	1.701

II. Mr. Prashant Mishra (Research Scholar) Supervision of Prof. Kaman Singh

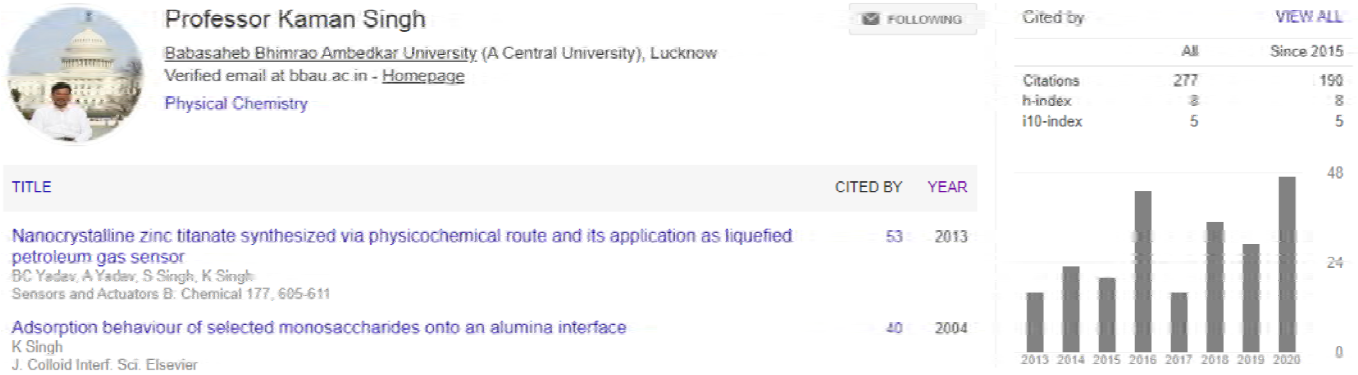
S. No.	Date	Title	Name of journal	I.F./ISBN
1.	07 Jun 2020	Binding aspects of carboxymethyl cellulose onto polymeric surface from its aqueous solutions	Journal of Dispersion Science and Technology	1.701

III. Ms. Saumya, Puneet, Dinesh and Ajay Kumar Yadav (Research Scholar) Supervision of Dr. Jawahar

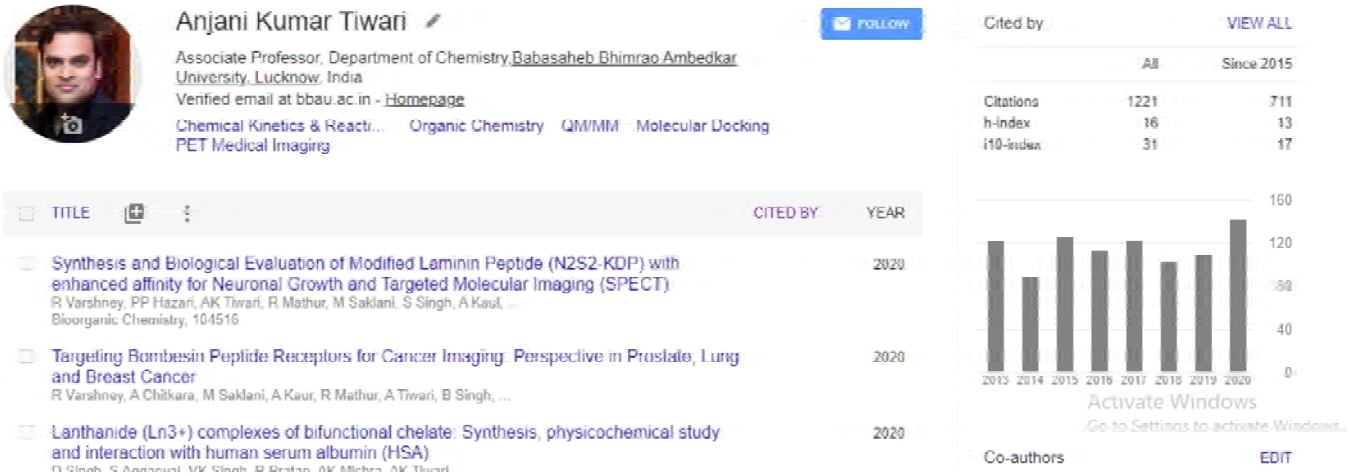
S. No.	Date	Title	Name of journal	I.F./ISBN
1.	2020	Zinc(II)-Catalyzed Synthesis of Secondary Amides from Ketones via Beckmann Rearrangement Using Hydroxylamine-O-sulfonic Acid in Aqueous Media.	*Synthesis*, 2020, *52 (21),* 3272-3276.	2.7
2	2019	Direct Synthesis of Secondary Amides from Ketones through Beckmann Rearrangement UsingO (mesitylsulfonyl) hydroxylamine.	*Tetrahedron Lett*., 2020, *61(18),* 151822	2.3
3	2019	Cu(OTf)2-Catalyzed Beckmann Rearrangement of Ketones Using Hydroxylamine-Osulfonic Acid (HOSA).	Synthesis, 2019, *51(19),* 3709-3714	2.7

19. Google profile of the faculty members, if available

I. Prof. Kaman Singh: Citations (277); h-index (8); i10- index(5)



II. Prof. Gajanan Pandey : i-10, h index-15



Anjani Kumar Tiwari

Associate Professor, Department of Chemistry,Babasaheb Bhimrao Ambedkar University, Lucknow, India
Verified email at bbau.ac.in - Homepage
Chemical Kinetics & Reacti... Organic Chemistry QM/MM Molecular Docking PET Medical Imaging

FOLLOW

TITLE	CITED BY	YEAR
Synthesis and Biological Evaluation of Modified Laminin Peptide (N2S2-KDP) with enhanced affinity for Neuronal Growth and Targeted Molecular Imaging (SPECT) R Varshney, PP Hazari, AK Tiwari, R Mathur, M Saklani, S Singh, A Kaul, ... Bioorganic Chemistry, 104516		2020
Targeting Bombesin Peptide Receptors for Cancer Imaging: Perspective in Prostate, Lung and Breast Cancer R Varshney, A Chitkara, M Saklani, A Kaur, R Mathur, A Tiwari, B Singh, ...		2020
Lanthanide (Ln3+) complexes of bifunctional chelate: Synthesis, physicochemical study and interaction with human serum albumin (HSA) D Singh, S Aggarwal, VK Singh, P Pratap, AK Mishra, AK Tiwari		2020

Cited by VIEW ALL

	All	Since 2015
Citations	1221	711
h-index	16	13
i10-index	31	17

Activate Windows
Go to Settings to activate Windows.

Co-authors EDIT

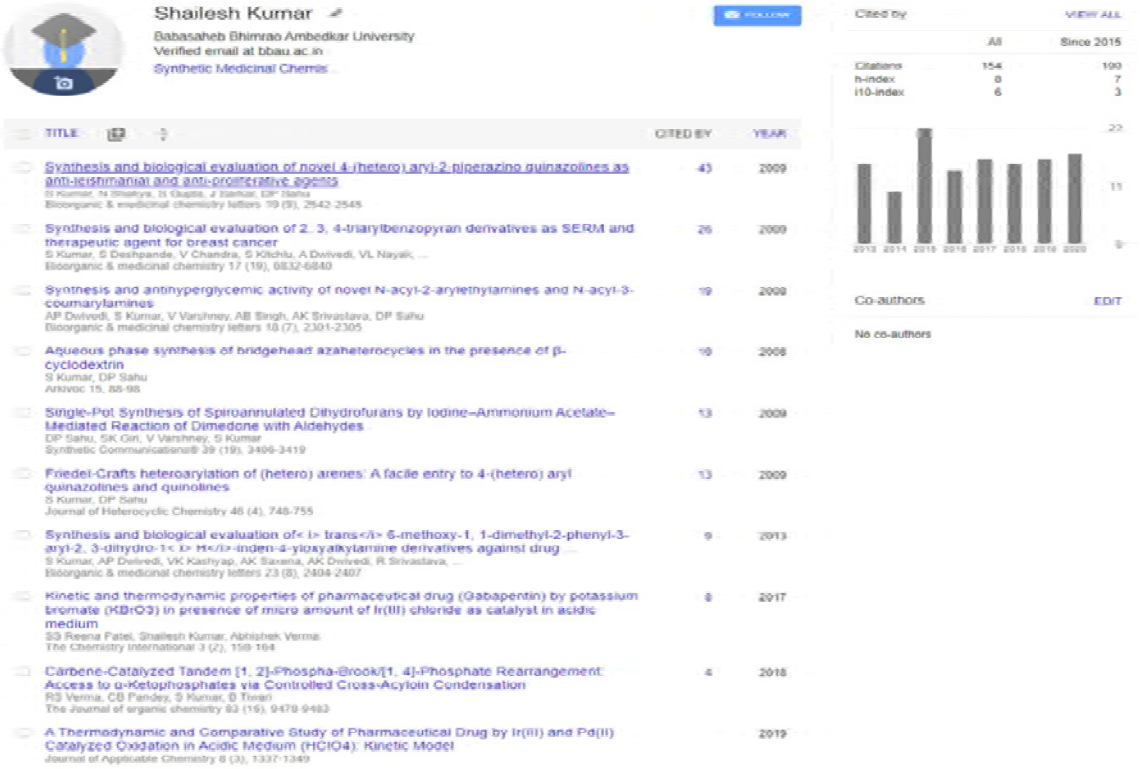
III. Dr. Jyoti Pandey : Citations (2635); h-index (26); i10- index (64)



jyoti pandey
BBAU, Lucknow
Chemistry

	All	Since 2015
Citations	2635	1535
h-index	26	18
i10-index	64	38

IV. Dr. Shailesh Kumar : Citations (133); h-index (7); i10- index (6)



Shailesh Kumar
Babasaheb Bhimrao Ambedkar University
Verified email at bbau.ac.in
Synthetic Medicinal Chemis...

FOLLOW

TITLE	CITED BY	YEAR
Synthesis and biological evaluation of novel 4-(hetero) aryl-2-piperazino quinazolines as anti-leishmanial and anti-proliferative agents R Kumar, N Shakya, N Gupta, J Dahiya, DP Sahu Bioorganic & medicinal chemistry letters 19 (9), 2542-2545	43	2009
Synthesis and biological evaluation of 2, 3, 4-triarylbenzopyran derivatives as SERM and therapeutic agent for breast cancer S Kumar, S Deshpande, V Chandra, S Kilchu, A Dwivedi, VL Nayak, ... Bioorganic & medicinal chemistry 17 (19), 6832-6840	26	2009
Synthesis and antihyperglycemic activity of novel N-acyl-2-arylethylamines and N-acyl-3-coumarylamines AP Dwivedi, S Kumar, V Varshney, AB Singh, AK Srivastava, DP Sahu Bioorganic & medicinal chemistry letters 18 (7), 2301-2305	19	2008
Aqueous phase synthesis of bridgehead azaheterocycles in the presence of β-cyclodextrin S Kumar, DP Sahu Arkivoc 15, 88-98	19	2008
Single-Pot Synthesis of Spiroannulated Dihydrofurans by Iodine–Ammonium Acetate–Mediated Reaction of Dimedone with Aldehydes DP Sahu, SK Giri, V Varshney, S Kumar Synthetic Communications® 39 (19), 3406-3419	13	2009
Friedel-Crafts heteroarylation of (hetero) arenes: A facile entry to 4-(hetero) aryl quinazolines and quinolines S Kumar, DP Sahu Journal of Heterocyclic Chemistry 46 (4), 748-755	13	2009
Synthesis and biological evaluation of< i> trans</i> 6-methoxy-1, 1-dimethyl-2-phenyl-3-aryl-2, 3-dihydro-1< i> H</i>-inden-4-yloxyalkylamine derivatives against drug ... S Kumar, AP Dwivedi, VK Kashyap, AK Saxena, AK Dwivedi, R Srivastava, ... Bioorganic & medicinal chemistry letters 23 (8), 2404-2407	9	2013
Kinetic and thermodynamic properties of pharmaceutical drug (Gabapentin) by potassium bromate (KBrO3) in presence of micro amount of Ir(III) chloride as catalyst in acidic medium SD Reena Patel, Shailesh Kumar, Abhishek Verma The Chemistry International 3 (2), 159-164	8	2017
Carbene-Catalyzed Tandem [1, 2]-Phospha-Brook/[1, 4]-Phosphate Rearrangement: Access to α-Ketophosphates via Controlled Cross-Acyloin Condensation RS Verma, CB Pandey, S Kumar, B Tiwari The Journal of organic chemistry 83 (16), 9479-9483	4	2018
A Thermodynamic and Comparative Study of Pharmaceutical Drug by Ir(III) and Pd(II) Catalyzed Oxidation in Acidic Medium (HClO4): Kinetic Model Journal of Applicable Chemistry 8 (3), 1337-1349		2019

Cited by VIEW ALL

	All	Since 2015
Citations	154	100
h-index	8	7
i10-index	6	3

Co-authors EDIT

No co-authors

V. Dr. Preeti Gupta: Citations (183); h-index (9); i10- index (7)



preeti gupta

Department of Applied Chemistry, School for Physical Sciences, Babasaheb Bhimrao Ambedkar University

Organic Chemistry

	All	Since 2015
Citations	183	117
h-index	9	5
i10-index	7	4

VI. Dr. Jawahar Lal Jat : Assistant Professor (Babasaheb Bhimrao Ambedkar Central University)

	All Since	2015
Citations	696	518
h-index	12	12
i10-index	17	16

DEPARTMENT OF MATHEMATICS

The Department of Applied Mathematics came into existence in March 2012 as a result of the bifurcation of the Department of Applied Mathematics and Statistics, which was established in July 2010 as a part of the School for Physical Sciences of Babasaheb Bhimrao Ambedkar University, Lucknow. In December 2017, the department was renamed as the department of Mathematics. Growing steadily, today the department runs Postgraduate and Ph.D. programs in Mathematics.

The department has four permanent faculties. All the faculty members have teaching and research experience and are experts in different areas of mathematics. Faculty members have UGC sponsored research projects. They also have a good number of national and international research publications. More details can be read in Faculty profile.

Admission to the full time Postgraduate courses in Mathematics and Ph. D. programs are conducted through National Level Entrance Test.

Salient Features of our Department are:

- Rigorous teaching
- Strong emphasis on research activities
- Project work and Seminar presentation by students
- Strict adherence to the academic calendar
- Qualified Faculty

Mission

The mission of the Mathematics Department is to provide an environment where students can learn and become competent users of mathematics and to instill analytical and logical thinking among students and promote mathematical thoughts.

Vision

Department of Mathematics strives to be internationally recognized for academic excellence through its teaching and research. The department strives to earn regional recognition for its expertise in the field of research and the teaching of mathematics.

1. Course Offered

i. M.Sc. (Mathematics)

ii. Ph.D. (Mathematics)

2. Facilities available in the department

i. Programming Lab

ii. Smart Classroom

iii. Departmental Library

3. Details of the Faculty

i. Prof. B. S. Bhadauria

Professor

Dean, School of Physical and Decision Sciences

Dean of Student Welfare

Head, Department of Mathematics

Specialization: Thermal instability, Nano-fluid, Numerical Methods

Qualification: M.Sc., JRF (NET), Ph.D., D.Sc.

ii. Dr. B. K. Singh

Assistant Professor

Specialization: Numerical Techniques, Fractional order differential equations

Qualification: M.Sc., JRF (NET), Ph.D.

iii. Dr. Maitri Verma

Assistant Professor

Specialization: Mathematical Modeling

Qualification: M.Sc., JRF (NET), Ph.D.

Dr. Mukesh Kumar Awasthi-Assistant Professor

Specialization: Interfacial Instability, Heat and Mass Transfer, Magneto-hydrodynamics

Qualification: M.Sc., JRF (NET), Ph.D.

4. Co-curricular/extracurricular/sports activities by the departments

Cultural programs organised by students on various occasions like Teachers day, Welcome, Farewell etc.

5. Members/fellowship of professional/ academic bodies/editorial board

i. **Prof. B. S. Bhadauria**, Editorial Board member of Advanced Nano science and Technology: An International Journal (ANTJ) Wireilla Scientific Publications, Australia

ii. **Prof. B. S. Bhadauria**, Editorial Board member of International Journal of Physical Research, Science Publishing Corporation.

iii. **Dr. Mukesh Kumar Awasthi,** Life member of International Association of Engineers (IAENG) (Member ID- 122208)

iv. **Dr. Mukesh Kumar Awasthi,** Life member of International Association of Computer Science and Information Technology (Member ID- 80343277).

6. Details of book chapter in edited volume

B. K. Singh, A. Kumar, Numerical Study of Conformable Space and Time Fractional Fokker–Planck Equation via CFDT Method. In: Deo N., Gupta V., Acu A., Agrawal P. (eds) Mathematical Analysis II: Optimisation, Differential Equations and Graph Theory. ICRAPAM 2018. Springer Proceedings in Mathematics & Statistics, vol 307. Springer, Singapore. https://doi.org/10.1007/978-981-15-1157-8_19

7. Paper published during the year by the faculty members (during 01-04-2019 to 31-03-2020)

i. Anas Altawallbeh, Ishak Hashim and **B. S. Bhadauria,** "Magneto-double diffusive convection in a viscoelastic fluid saturated porous layer with internal heat source" AIP Conference Proceedings 2116 (1), 030015.

ii. S. H. Manjula, P. Kiran, P.R. Reddy, **B. S, Bhadauria,** "The complex Ginzburg Landau model for an oscillatory convection in a rotating fluid layer" Int. J. App. Mech. Engineering 25 (1), 75-91.

iii. P. Kiran, **B. S. Bhadauria**, R. Roslan, "The Effect of Throughflow on Weakly Nonlinear Convection in a Viscoelastic Saturated Porous Medium" Journal of Nanofluids 9 (1), 36-46.

iv. **B. K. Singh, S. Agrawal,** Study of nonlinear time fractional generalized Burger equation with proportional delay, Proceedings of "International Conference on Applied Mathematics and Computational Sciences" (ICAMCS-2019) October 17th–19th, 2019, organized by DIT University, Dehradun, India. https://doi.org/10.21467/proceedings.100.15. ISSN: 2582-3922; ISBN: 978-81-942709-6-6.

v. **Mukesh Kumar Awasthi,** "Rayleigh–Taylor Instability of Swirling Annular Layer With Mass Transfer" ASME-J. Fluid Engineering 141 (7) 071202 (5 pages).

vi. **Mukesh Kumar Awasthi,** Manu Devi, "Temporal instability of swirling annular layer with mass transfer through porous media" 11 (2020) 61-70.

vii. **Mukesh Kumar Awasthi,** "Capillary Instability of viscoelastic liquid film with heat and mass Transfer" ASME-J. Heat Transfer 142 (2) 022108 (5 pages).

viii. Vivek Kumar, **Mukesh Kumar Awasthi**, "Thermal instability in a horizontal composite nano liquid layer" SN Applied Sciences 2 (2020) 380.

ix. G. A. Hoshoudy, **Mukesh Kumar Awasthi**, "Compressibility effects on the Kelvin– Helmholtz and Rayleigh–Taylor instabilities between two immiscible fluids flowing through a porous medium" The European Physical Journal Plus 135 (2), 169.

x. **Mukesh Kumar Awasthi,** Shivam Agrawal, "Stability analysis between two concentric rotating cylinders with heat and mass transfer" Heat Transfer-Asian Research 49 (2020)

xi. Shivam Agrawal, **Mukesh Kumar Awasthi**, "Pressure corrections for viscous potential flow analysis of Rayleigh-Taylor instability of swirling annular layer" AIP Conference Proceedings 2220 (1), 090005.

8. Attended/participated in conferences/ seminar/workshop inside the country

i. **Mukesh Kumar Awasthi,** attended a conference "International Conference on Applied Mathematics and Computational Sciences" (ICAMCS-2019) October 17th-19th, 2019, organized by DIT University, Dehradun, India.

ii. **Anurag Srivastava,** attended a conference "International Conference on Applied Mathematics and Computational Sciences" (ICAMCS-2019) October 17th-19th, 2019, organized by DIT University, Dehradun, India.

iii. **Shivam Agarwal,** attended a conference "3rd International Conference on Recent Trends in Science, Engineering and Mathematics" (ICAMCS-2019) September 21th–22th, 2019, organized by Kuttumb International, Jaipur, India.

iv. **Jai Prakash Shukla,** attended a conference "International Conference on Applied Mathematics and Computational Sciences" (ICAMCS-2019) October 17th–19th, 2019, organized by DIT University, Dehradun, India.

v. **Saloni Agrawal,** attended a conference "International Conference on Applied Mathematics and Computational Sciences" (ICAMCS-2019) October 17th–19th, 2019, organized by DIT University, Dehradun, India.

vi. **Mukesh Gupta,** attended a conference "International Conference on Applied Mathematics and Computational Sciences" (ICAMCS-2019) October 17th–19th, 2019, organized by DIT University, Dehradun, India.

vii. **Awanish Kumar,** attended a conference "International Conference on Applied Mathematics and Computational Sciences" (ICAMCS-2019) October 17th–19th, 2019, organized by DIT University, Dehradun, India.

viii. **Anil Kumar,** attended a conference "International Conference on Applied Mathematics and Computational Sciences" (ICAMCS-2019) October 17th–19th, 2019, organized by DIT University, Dehradun, India.

ix. **Alok Kumar Verma,** attended a workshop "Workshop cum Winter School on Methods for Nonlinear Dynamical Systems & Chaos" December 23th–27th, 2019, organized by NIT Uttarakhand, India.

9. Students Achievements

I. Accomplishments of Students

Number of students completed their Masters	29
Number of students pursuing higher studies	02
Number of students selected on other government jobs /banking/School teaching etc.	02

II. Ph.D. Awarded during the year

S. No.	Name of Students	Name of Guide	Co-guide	Titles of thesis	Fellowship
1.	Kanchan Shakya	Prof. B. S. Bhadauria	–	Heat and Mass Transfer in Fluid and Porous Medium	University Fellowship

III. Ph.D. Students pursuing

S N.	Name of Students	Name of Guide	Co-guide	Titles of thesis	Fellowship
1	Anis Kumar	Prof. B.S. Bhadauria	–	Heat transfer in nanofluids under various configurations	UGC-JRF Fellowship
2	Atul Kumar Shukla	Dr. Mukesh Kumar Awasthi	–	Interfacial stabilities in confined geometries	UGC-JRF Fellowship
3	Dharmendra	Dr. Mukesh Kumar Awasthi	–	Stability analysis of the interfaces at compressible incompressible fluids	CSIR -JRF Fellowship
4	Brijesh Kumar Singh	Prof. B.S. Bhadauria	–	Modulation effects on thermal instability in nano fluids	UGC-JRF Fellowship
5	Divakar Vikram Singh	Dr. Maitri Verma	–	Mathematical Modeling and analysis of predator prey models with harvesting	UGC-JRF Fellowship

10. Google Profile of the faculty members

Prof. B. S. Bhadauria

	All	Since 2015
Citation	2125	1386
h-index	29	23
i10-index	64	54

Dr. Maitri Verma

	All	Since 2015
Citation	124	121
h-index	7	7
i10-index	6	6

Dr. B. K. Singh

	All	Since 2015
Citation	349	319
h-index	10	9
i10-index	10	9

Dr. Mukesh Kumar Awasthi

	All	Since 2015
Citation	780	534
h-index	18	13
i10-index	26	14

DEPARTMENT OF PHYSICS

Physics plays a key role in science education and society providing the molecular alphabet for science. It is the source of new concepts about all aspects of the nature and is a driving force for new technologies. The Department of Physics under the School of Physical Sciences at BBAU Lucknow was established in 2010 with a goal to pursue excellencein teaching and research in basic and advanced areas of experimental & theoretical physics, as well as in interdisciplinary areas of science & technology.Department is known for research in Nanoscience and Nanotechnology, Computational Physics (ab-initio methods), Nuclear and Particle Physics, Ultrasonics and Photonics.The department strives to train its students to become skilled and motivated physicists. Students have consistently shown success in various competitive exams like CSIR, UGC-JRF/NET, GATE, JEST etc. and secured jobs in academic institutions, universities and other offices. Students are admitted for M.Sc.(Physics), M.Sc.(Nuclear Medicine Technology), M.Phil.(Physics) courses and Ph.D.programme through National Level Entrance Examinations organised by the university.Choice Based Credit System is being followed and few papers may be chosen which supplement and complement core Physics subject from other disciplines viz. Mathematics, Statistics, Chemistry, Electronics, Environmental Science etc. The course curriculum of M. Sc. (Physics), M. Sc. (Nuclear Medicine Technology), M.Phil. (Physics) and Ph. D. has been prepared in view of the guidelines from UGC and MHRD, Govt. of India as modified time to time in respective BPGS (Board of

Postgraduate Studies) meetings. Modification in syllabus in consultation with the industry professionals, practitioners, students and their parents basically who are the stake holders is a continuous process. In addition to the normal teaching classes and the practical training, the curriculum has integral components of seminars and research based on projects targeted to shape the student's career in accordance with the requirement of the present national and international needs. The department is in the process of developing facilities conducive for training in the field of Physics at par with that of international level. Faculty of the department is running various externally funded research projects from agencies like DST, DAE, UGC and CSIR. Many distinguished scientists and eminent scholars from premier research institutes such as CSIR, IIT, IISER, Indian and foreign Universities are invited to deliver lectures in their area of research interest from time to time. The students are exposed to both academics as well as extracurricular activities during their tenure.

Major and Minor Facilities

- Low Background Counting System (HPGE & Atomtex)
- Dosimetry of neutron and Gamma using Conducting Polymers and SSNTD's
- Low Beta Counting Setup
- MRF and RF Enhancement Setup for Hall Effect Studies & Dosimetry
- Development of new Thermoluninescence Materials & its Dosimetry Applications.
- Development of Conducting Polymers
- Four Probe Setup
- Microscope for Track Measurements
- Alpha source for Thickness Measurement
- Centrifuge machine
- Muffle furnace (12000C)
- Spark counter
- TLD Reader
- Electronic Balance
- G M Counter
- Distillation Set up

1. Coursesoffered

i. M.Sc. (Physics)

ii. M.Sc.(Nuclear Medicine and Technology)

iii. M.Phil(Physics)

iv. Ph.D.

2. Details of faculty

i. Prof. B.C.Yadav,Professor & Head of Department

ii. Prof. Devesh Kumar,Professor

iii. Dr. Ramesh Chandra,Assistant Professor

iv. Dr. Anil Kumar Yadav,Assistant Professor

v. Dr. Devendra Singh,Assistant Professor

vi. Dr. Khem B. Thapa, Assistant Professor

3. Other Departmental level Academic Activities

Alumni Meet, Parents Teacher Meeting, Special Lectures

4. Details of the memorandum of Understanding signed with national/foreign Inst itutions, ifany

Memorandum Signed with SGPGI Lucknow.

5. Co-curricular/Extra-curricular/spoils Activities

Student Farewell and fresher function, Cleanness under swach Bharat pakhwada

6. Visitors of Department from inside the country - 06

7. Visitors of Department from Outside the country - 02

8. Details of Book Chapter in edited volume

Prof. Devesh Kumar

Advances in Photonic Crystals and Devices" Embedded Liquid Crystal Defect with Graphene Layers in Asymmetric One-Dimensional Photonic Crystal as Sensor Application", 978-1-35102-942-1, CRC Press, Taylors and Francis group, International, 121- 142

Dr. Anil Kumar Yadav

Chapter in Edited Books: 03

i. "Green Synthesis of Nanoparticles and Their Applications in Water and Wastewater Treatment" in Bioremediation of Industrial Waste for Environmental Safety: Industrial Waste and Its Management, 978-981-13- 1890-0, Springer, Singapore, International, 349-379

ii. "Application of Supercritical Carbon Dioxide in the Leather Industry" in Industrial Applications of Green Solvents-I, 978-1-64490-022-2, Materials Research Forum LLC, International, 147-164

iii. "Tunable Broadband Reflector Using a One-Dimensional Photonic Crystal Containing Metam aterial with Symmetrically Introduced Magnetized Cold Plasma Defect" in Advances in Photonic Crystals and Devices, 978-1-35102-942-1, CRC Press, Taylors and Francis group, International, 143-159

Dr. Khem B. Thapa

i. "Advances in Photonic Crystals and Devices" in Tunable Broadband Reflector Using a One-Dimensional Photonic Crystal Containing Metamaterial with Symmetrically Introduced Magnetized Cold Plasma Defect, 978-1-35102-942-1, CRC Press, Taylors and Francis group, International, 143-159

ii. "Advances in Photonic Crystals and Devices" in Embedded Liquid Crystal Defect with Graphene Layers in Asymmetric One- Dimensional Photonic Crystal as Sensor Application, 978-1-35102-942-1, CRC Press, Taylors and Francis group, International, 121-142

9. Paper Published during the year by the faculty members

Prof. B.C. Yadav

i. Toton Haldar, Utkarsh Kumar, **B. C. Yadav** & V. V. Ravi Kanth KumarTunable negative permittivity of Bi2O3–SiO2/MWCNT at radio glass-nanocomposites frequency region, ***Journal of Materials Science: Materials in Electronics,*** Vol. 31, pages11791–11800 June (2020)

ii. Vikas Kumar, Vishnu Chauhan, Jagjeevan Ram, Rashi Gupta, Shalendra, **B. C. Yadav,**Rajesh Kumar, Study of humidity sensing properties and ion beam induced modifications in SnO2-TiO2 nanocomposite thin films, ***Surface and Coating Technology***, Vol. 392, June, 2020, 125768

iii. S. Sikarwar, **B. C. Yadav**, S. Vigneselvan, R.S. Mane, Ali Mirzaei Fast response and high sensitivity of ruthenium doped copper ferrite thin film (Ru-CuFe2 O4) sensor, V. Manikandan, ***RSC Advances***, 10, 13611- 13615, 2020**.**

iv. Chandani Singh, Surabhi Chaubey, Pooja Singh, Kavita Sharma, Shambhavi Sharma, Abhishek Kumar, D.K. Dwivedi, Rajesh K. Yadav, Jin-Ook Baeg, Utkarsh Kumar, **B.C. Yadav**, Gajanan PandeySelf-assembled carbon nitride/cobalt (III) porphyrin photocatalyst for mimicking natural photosynthesis, ***Diamond & Related Materials*** 101 (220), 107648-53, 2020.

v. Amarendra Gautam, Chandkiram Gautam, Utkarsh Kumar, **B.C. Yadav**, Synthesis and structural investigations of microporous graphene-reinforced h-BN solids for LPG sensing applications, ***Materials Research Express***, Materials Research Express 6 (12), 125090, 2020.

vi. Manikandan, Monika Singh, **B.C. Yadav**, R.S. Mane, S. Vigneselvan, Ali Room temperature LPG sensing properties of tin substituted copper ferrite [Sn-$CuFe^2O^4$] thin film, J.C.V....***Materials Chemistry and Physics*** 240 (2020) 122265 240, 122265-70, 2020

vii. RK Sonker, **B. C. Yadav**, V Gupta, M Tomar, Synthesis of CdS nanoparticle by sol-gel method as low temperature NO^2 sensor, ***Materials Chemistry and Physics*** 239, 121975, 2020.

viii. S.E. Zakiev, V.A. Shershnev, **B.C. Yadav**, Yu.P. Kvurt, G.I. Dzhardimalieva, Traveling-waves of metal-containing monomer polymerization without diffusion and heat-transfer, ***Heliyon,*** 5 (2019) e02829.

ix. Monika Singh, **B.C. Yadav**, Utkarsh Kumar, Ashok Ranjan, Richa Srivastava and Manmeet Kaur, Fabrication of nanostructured lead-free bismuth sodium titanate thin film and its liquefied petroleum gas sensing, ***Sensors and Actuators: A. Physical,*** 301 (2020) 111765-74.

x. S Singh, U Kumar, **B.C. Yadav**, K Kumar, R Tripathi, K Singh, Development of scattering based

glucose sensor using hydrothermally synthesized cuprous oxide nanoparticles, ***Results in Physics***, 102772, 2019.

xi. Ekta Singh, Utkarsh Kumar, Richa Srivastava, **B. C. Yadav**, Catalytic growth of MWCNT using CVD and its application as opto-electronic humidity sensor, ***Carbon Letters***, 1-12, 2019

xii. Shakti Singh, AbhisiktaBhaduri, Ravi Kant Tripathi, Khem Bahadur Thapa, Rajeev Kumar, **Bal Chandra Yadav**, Improved sensing behaviour of self-healable solar light photodetector based on core-shell type Ni0.2Zn0.8Fe2O4@ poly (Urea-Formaldehyde), ***Solar Energy*** 188 (2019) 278–290.

xiii. Jagjeevan Ram, Ramgopal Singh, F. Singh, Vikas Kumar; Vishnu Chauhan, Rashi Gupta, Utkarsh Kumar, **B. C. Yadav**, Rajesh Kumar, Development of WO3- PEDOT: PSS hybrid nanocomposites based devices for gas (LPG) sensing application, ***Journal of Materials Science: Materials in Electronics***, 30(14), 13593-13603, 2019, **IF= 2.324**

xiv. Kuldeep Kumar, Utkarsh Kumar, Monika Singh, **B.C.** Yadav, synthesis and characterizations of exohedral functionalized Graphene Oxide with iron nanoparticles for humidity detection, ***Journal of Materials Science: Materials in Electronics***, https://doi.org/10.1007/ s10854-019-01663-9,2019 **IF= 2.324**

xv. Sarita Yadav, Priyanka Chaudhary, K N Uttam, Ashish Varma, Manu Vashisthaand **B.C. Yadav**, Facile synthesis of molybdenum disulfide (MoS2) quantum dots and its application inhumidity sensing, ***Nanotechnology*** 30 (2019) 295501 (10pp) https://doi.org/10.1088/1361-6528/ ab1569

xvi. Aashit Kumar Jaiswal, Samiksha Sikarwar, Satyendra Singh, **B. C. Yadav** and R.R. Yadav, Fabrication of nanopolygon's structured morphology of magnesium ferrite and its applications as heat transfer agent and gas/humidity sensors, ***Journal of Materials Science: Materials in Electronics***, 2019. **IF= 2.324**

xvii. Samiksha Sikarwar, **B. C. Yadav**, Rakesh K Sonker, GI Dzhardimalieva, Jeevitesh K Rajput Synthesis and characterization of highly porous hexagonal shaped CeO2-Gd2O3-CoO nanocomposite and its opto-electronic humidity sensing, ***Applied Surface Science,*** Volume 479, 15 June 2019, Pages 326-333, **IF = 4.439**

xviii. **B. C. Yadav,** K. Kumar, A. Singh, U. Kumar, R K Tripathi, The beauty inhabited inside the modified Graphene for moisture detection at different frequencies, ***Journal of Materials Science: Materials in Electronics,*** **Vol. 31**, pages10836–10845(2020). **IF = 2.324**

Review Article

xix. Self-healing and shape memory metallopolymers: state-of-the-art and future perspectives, GI Dzhardimalieva, **B.C. Yadav**, S Singh, IE Uflyand, ***Dalton Transactions*** 49 (10), 3042-3087, Issue 10, 2020.

Prof. Devesh Kumar

i. N Kumar, S Chaudhary, P Upadhyay, Ak Dwivedi, **D Kumar (**2020); Even-odd effect of the homologous series of nCHBT liquid crystal molecules under the influence of an electric field: A theoretical approachPramana 94 (1), 1-9

ii. N Kumar, B Pal, S Chaudhary, D Singh, **D Kumar (2020);** Reduced graphene oxide contains a minimum of six oxygen atoms for higher dipolar strength: A DFT studyFrench-Ukrainian Journal of Chemistry 8 (1), 167-173

iii. R Hussain, R Yadav, M Ahmed, TA Khan, **D Kumar**, Y Akhter (2020); Interplay between two spin states determines the hydroxylation catalyzed by P450 monooxygenase from *Trichoderma brevicompactum*Journal of Computational Chemistry 41 (14): 1330-1336

iv. N Kumar, P Singh, KB Thapa, **D Kumar (2020);** Molecular spectroscopy and adverse optical properties of N-(p-hexyloxy-benzylidene)–p-toluidine (HBT) liquid crystal molecule studied by DFT methodology IOP SciNotes 1 (1): 015202

v. N Kumar, P Singh, P Upadhyay, S Chaudhary, KB Thapa, AK Dwivedi (2020); Odd–even effect of 7O. m liquid crystal compound series studied under the effect of the electric field by density functional theory (DFT) methods, ...The European Physical Journal Plus 135 (5): 388

vi. S Chaudhary, N Kumar, **D Kumar (2020);** Comparative DFT Study of Parallel and Antiparallel Conformation of 5CB and 6CB Liquid Crystal

DimersJournal of Atomic, Molecular, Condensate and Nano Physics 7 (1): 1-23

vii. G Abbas, N Kumar, **D Kumar**, G Pandey (2019); Effect of Reaction Temperature on Shape Evolution of Palladium Nanoparticles and Their Cytotoxicity against A-549 Lung Cancer CellsACS omega 4 (26), 21839-21847

viii. P Singh, K Pal, N Kumar, SK Singh, KB Thapa, **D Kumar (2019);**Tunable Sensing Property of 1D Periodic Structure with Defect of Liquid Crystal Sandwiched by Metallic LayersSensor Letters 17 (10): 800- 803

ix. P Singh, K Pal, KB Thapa, N Kumar, **D Kumar (2019)** Embedded Liquid Crystal Defect with Graphene Layers in Asymmetric One-Dimensional Photonic Crystal as Sensor Application,Advances in Photonic Crystals and Devices: 121-142

x. P Singh, KB Thapa, N Kumar, **D Kumar (2019);** Omnidirectional Reflection Band of One-dimensional Periodic Structure (1DPS) of Si/ SiO2with Defect Mode of Nematic Liquid Crystal (5CB).Journal of Physical Science 30 (3)

xi. P Singh, KB Thapa, N Kumar, D Singh, **D Kumar (2019);** Effective optical properties of the one-dimensional periodic structure of and SiO2 layers with a defect layer of nanocomposite consisting of silver … Pramana 93 (3): 50

xii. P Barman, FG Cantú Reinhard, UK Bagha, **D Kumar**, CV Sastri (2019); Hydrogen by Deuterium Substitution in an Aldehyde Tunes the Regioselectivity by a Nonheme Manganese (III)–Peroxo Complex, ...Angewandte Chemie 131 (31), 10749-10753

xiii. P Singh, KB Thapa, N Kumar, AK Yadav, **D Kumar (2019);** Tunable optical filter based on one-dimensional periodic structure composed of SiO2 and anisotropic metamaterial (AMM) with a liquid crystal defect layer sandwiched by two … International Journal of Modern Physics B 33 (18): 1950194

xiv. P Singh, KB Thapa, N Kumar, D Singh, **D Kumar (2019)** Study of transmission property of periodic layer consisting of SiO^2 and TiO^2 layers with anisotropic liquid crystal (LC) and LiNbO3 as defect layers for optical switching, Results in Physics 13, 102346

xv. G Mukherjee, A Alili, P Barman, **D Kumar**, CV Sastri (2019); Interplay Between Steric and Electronic Effects: A Joint Spectroscopy and Computational Study of Nonheme Iron (IV) Oxo Complexes, SP de Visser Chemistry-A European Journal 25 (19), 5086-5098

xvi. P Singh, KB Thapa, N Kumar, K Pal, **D Kumar (2019);** Graphene layers on semi-finite 1D asymmetric periodic structure of Si/Glass materials with defect of nematic liquid crystal for a sensor device Materials Research Express 6 (6): 066209

Dr. Ramesh Chnadra

i. PK Rath, A Kumar, **R Chandra**, R Gautam, PK Raina, BM Dixit (2019); Nuclear transition matrix elements for neutrinoless double-decay of Ge isotope within PHFB approach, International Journal of Modern Physics E 28 (11), 1950096

ii. PK Rath, **R Chandra**, K Chaturvedi, PK Raina (2019); Nuclear Transition Matrix Elements for Double-^{2} Decay Within PHFB Model, Frontiers in Physics 7: 64

Dr. Anil Kumar Yadav

i. "Understanding interactions of DNA minor groove binders using advanced computational techniques", A. Pandey, R. Mishra, **A. K. Yadav,** The International Journal of Analytical and Experimental Modal Analysis, Vol 12, (2020). 1300-1315

ii. Unveiling the Antimicrobial Activities of Dicationic Carbazoles and Related Analogs Through Computational Docking, A. Pandey, R. Yadav, A.Shukla, **A. K. Yadav,** Advanced Science, Engineering and Medicine 12 (2019). 40-44.

iii. Perovskite Structured Nanomaterials: An Advanced Key for Global Development of Nanotechnology", Banani Kar, D. Roy, S.P Goutam, A. K. Yadav, Sensor Letters, Vol. 17(2019) 787-791.

iv. Enhancement of absorption property of one dimensional ternary periodic structure containing plasma based hyperbolic materials for the application of microwave devices, A. Kumar, K. B. Thapa, **Anil K Yadav,** Journal of Magnetism and Magnetic Materials Vol. 49(2019): 165-371

v. Tunable optical filter based on one-dimensional periodic structure composed of SiO2 **and anisotropic metamaterial (AMM) with a liquid crystal defect layer sandwiched by two SiO**2 ,P Singh, KB Thapa, N Kumar, **A.K Yadav**, Devesh Kumar, International Journal of Modern Physics B ,Vol. 33(2019). 1950194

Dr. Devendra Singh

i. Spectroscopic, dielectric and nonlinear current–voltage characterization of a hydrogen-bonded liquid crystalline compound influenced via graphitic nanoflakes: An equilibrium … DP Singh, AK Misra, KK Pandey, B Pal, N Kumar, **D Singh**, K Kondratenko, ... Journal of Molecular Liquids 302, 112537,2, 2020

ii. Effective optical properties of the one-dimensional periodic structure of and SiO2 layers with a defect layer of nanocomposite consisting of silver …P Singh, KB Thapa, N Kumar, **D Singh**, D Kumar Pramana 93 (3), 50,5, 2019

iii. Study of transmission property of periodic layer consisting of SiO2 and TiO2 layers with anisotropic liquid crystal (LC) and LiNbO3 as defect layers for optical switching P Singh, KB Thapa, N Kumar, **D Singh**, D Kumar Results in Physics 13, 102346,2, 2019

Dr. Kham B. Thapa

i. N Kumar, P Singh, S Chaudhary, **K B Thapa**, P Upadhyay, AK Dwivedi, D Kumar**(2020)** Spectroscopy Existing behind the Electro-Optical Properties with an Even-Odd Effect of nCB Liquid Crystal Molecules: A Theoretical Approach, *ActaPhysica Polonica*, A. 137 (6), February 2020.

ii. P Singh, **K B Thapa**, N Kumar, D Kumar **(2019)** Omnidirectional Reflection Band of One-dimensional Periodic Structure (1DPS) of Si/SiO2 with Defect Mode of Nematic Liquid Crystal (5CB), *Journal of Physical Science* 30 (3), November 2019.

iii. P Singh, K Pal, N Kumar, SK Singh, **K B Thapa**, D Kumar, **(2019),** Tunable Sensing Property of 1D Periodic Structure with Defect of Liquid Crystal Sandwiched by Metallic Layers, *Sensor Letters* 17 (10), 800- 803, December 2019

iv. A Kumar and **K B Thapa (2019)** Multichannel filter application of a magnetized cold plasma defect in periodic structure of ZnS/TiO2 materials, *Optical and Quantum Electronics* 51 (11): 355, Nov. 2019.

v. Asish Kumar, **Khem B Thapa** and Anil K Yadav, (**2019**) Enhancement of absorption property of one-dimensional ternary periodic structure containing plasma based hyperbolic material for the application of microwave devices, *J. Magnetism and Magnetic materials*, Vol. 489, pp 105371-7. (**ISSN: 0304-8853**, 27 May, 2019)

vi. Shakti Singh, AbhisiktaBhaduri, Ravi Kant Tripathi, Khem B Thapa, Rajeev Kumarand BalC. Yadav **(2019)** Improvedsensingbehaviorofself-heable solar lightphotodetectorbased on core-shelltyoe Ni0.2Zn0.8 Fe2O3@Poly (Urea-Formaldehyde), *Soar Energy,* Vol. 188, pp.278-290**. (ISSN: 0038-092X,** 03 June, 2019**)**

vii. Pawan Singh, **Khem B. Thapa**, Narinder Kumar, Devendra Singh, Devesh Kumar **(2019)** Study of transmission property of periodic layer consisting of SiO2 and TiO2 layers with anisotropic liquid crystal (LC) and LiNbO3 as defect layers for optical switching, *Results in Physics*, Vol. 13, pp 102346-8. (**ISSN: 2211-3797**, 10 May 2019).

viii. Pawan Singh, **Khem B Thapa**, Narinder Kumar, Anil K Yadav, Devesh Kumar, Tunable optical filter based on one-dimensional periodic structure composed of SiO2 and anisotropic metamaterial (AMM) with a liquid crystal defect layer sandwiched by two SiO2, International Journal of Modern Physics B 33 (18), 195-194, 2019.

ix. Asish Kumar, **Khem B Thapa**, Sant P Ojha, A tunable broadband filter of ternary photonic crystal containing plasma and superconducting material, 93(6), 791-798, 2019.

x. PAWAN SINGH, **KHEM B. THAPA** and GIRIJESH N. PANDEY, Temperature sensor and monochromatic filter based on one-dimensional photonic crystal containing Si and SiO2 with a defect layer of liquid crystal, 13(7-8) 401-406, 2019.

xi. Pawan Singh, Krishan Pal, Narinder Kumar, Sudesh K Singh, **Khem B Thapa**, Devesh Kumar, Tunable Sensing Property of 1D Periodic Structure with Defect of Liquid Crystal Sandwiched by

Metallic Layers, Sensor Letters, 17 (10), 800-803: 2019.

xii. P Singh, **Khem B Thapa**, N Kumar, D Singh, D Kumar, Study of transmission property of periodic layer consisting of SiO2 and TiO2 layers with anisotropic liquid crystal (LC) and LiNbO3 as defect layers for optical switching, Results in Physics 13: 102-346, 2019.

xiii. P Singh, **Khem B Thapa**, N Kumar, K Pal, D Kumar, Graphene layers on semi-finite 1D asymmetric periodic structure of Si/Glass materials with defect of nematic liquid crystal for a sensor device. Materials Research Express 6 (6), 066209, 2019.

xiv. P Singh, Khem B Thapa, N Kumar, D Singh, D Kumar, Effective optical properties of the one-dimensional periodic structure of and SiO2 layers with a defect layer of nanocomposite consisting of silver nanoparticles and E7 liquid crystal, Pramana 93 (3), 50, 2019.

Review Article

xv. Krishan Pal, Pawan Singh, Abhishikta Bhaduri, **Khem B Thapa**, Current challenges and future prospects for a highly efficient (> 20%) kesterite CZTS solar cell: A review, Solar Energy Materials and Solar Cells, 196, 138-156: 2019.

10. Attended/participated in Conferences/ seminar/workshopinside Country

- Prof. B.C.yadav - 02
- Prof. Devesh Kumar - 01
- Dr. Ramesh Chandra - 01
- Dr. Anil Kumar yadav - 01
- Dr. Devendra Singh - 01
- Dr. Khem B. Thapa - 01

11. Attended/participated in Conferences/ seminar/workshop outside country

- Prof. B.C. Yadav - 01

Details of invited lectures in side country

- Prof. B.C.Yadav - 01
- Prof. Devesh Kumar - 01
- Dr. Anil Kumar Yadav - 01
- Dr. Khem B. Thapa - 01

12. Details of invited lecture Outside the country: 01

13. Details of NationalAwards/fellowship

Research & Academic Excellence Award for the year 2019 to Prof. B.C.Yadav and Dr. Khem Bahadur Thapa by BBA University, Lucknow on 26th January 2020.

14. Details of Research Projects (Major and Minor) ongoing

Prof B. C. Yadav

Sl. No.	Title	Date of start & Date of completion	Cost (Rs.)	Agency
1.	"Preparation and properties of self-healing polymer based nanohybrid materials for energy harvesting application" (P.I.)	2019-2021	~Rs. 15,70,000/-	Department of Science & Technology (Indo-Russian)
2.	"Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST)" GRANT" (P.I.& Coordinator)	2019-2024	Rs. 80,00,000/-	Department of Science & Technology

Dr. Khem B. Thapa

Sl. No.	Title	Date of start & Date of completion	Cost (Rs.)	Agency
1.	Design and evaluation of the periodic structure for electromagnetic devices	2017-2019	10 Lac	BSR-UGC New Delhi

15. Details related to Good Governance at the Department level to ensure transparency/ student participation/time bound results etc.

Declaration of timely Exam, result and admission as per university time table.

16. Students achievements

I. Accomplishment of thestudents

II. Faculty wise supervision of the Ph.D. and M. Phil. Student/Dissertation and thesis submission/degree awarded

S. No.	Students Name	Supervisor Name	Course
1.	Utkarsh Kumar	Prof. B.C. Yadav	Ph.D.
2.	Vivek Nautiyal	Dr. Ramesh Chandra	Ph.D
3.	Ratindra Gautam	Dr. Ramesh Chandra	Ph.D.
4.	Anwesh Panday	Dr. A.K. Yadav	Ph.D.
5.	Ashish Kumar	Dr. Khem B. Thapa	Ph.D.
6.	Banani Kar	Dr. A.K. Yadav	M.Phil.
7.	Raj Kamal Shastri	Dr. A.K. Yadav	Ph.D.

III. Number of student completed their Masters/ Graduation/Diploma : 30 Students (2019-2020)

IV. Details of students selected for teaching in highereducation. 05

V. Number of student pursuing higherstudies 02

VI. Number of student selected on Other government jobs/banking/school teaching etc : 10

VII. Number of student awarded SLET/NET/ JRF/ any other fellowship :

NET	:	03
JRF	:	01
Inspire Fellow	:	02
SRF	:	01
RGNF	:	02

VIII. Any Other Special achievement recorded by thestudents

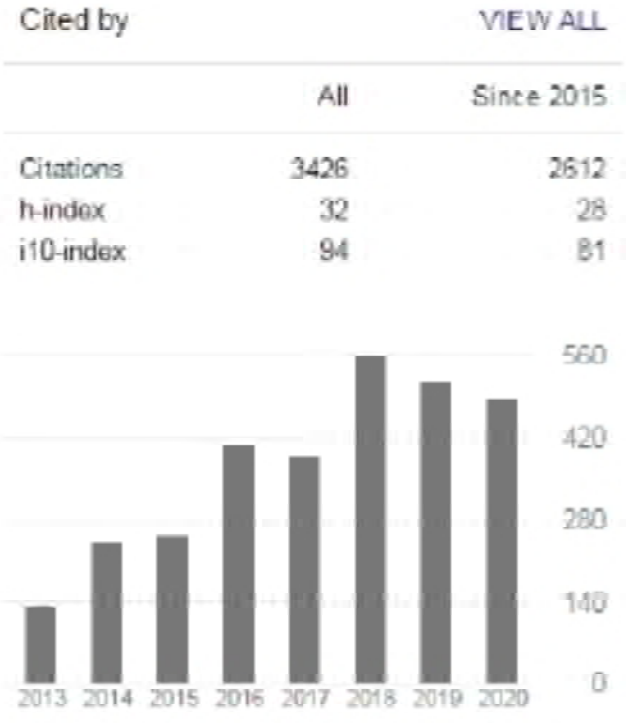
i. Utkarsh Kumar : Selected in Taiwan for Research Work

ii. Kuldeep Kumar : Best Research Paper Award in conference and Selected in Taiwan for Research Work

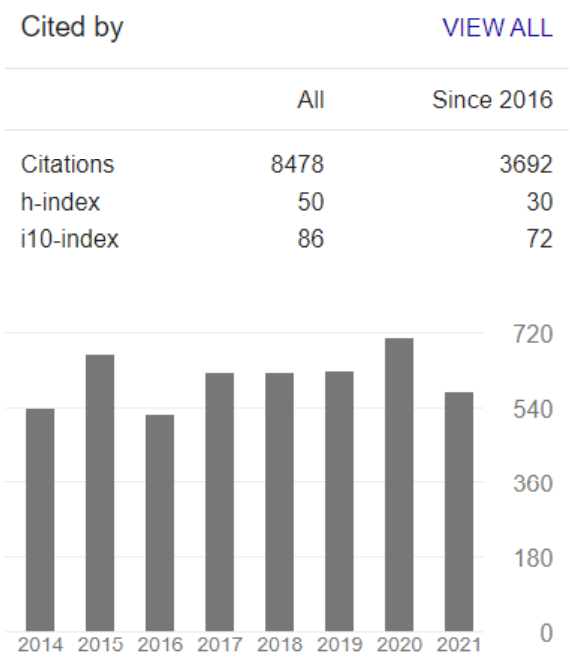
iii. Priyanka Chaudhary : Selected in Taiwan Experience Education Program Taiwan 2020

17. Google profiIe of the faculty members, ifavailable

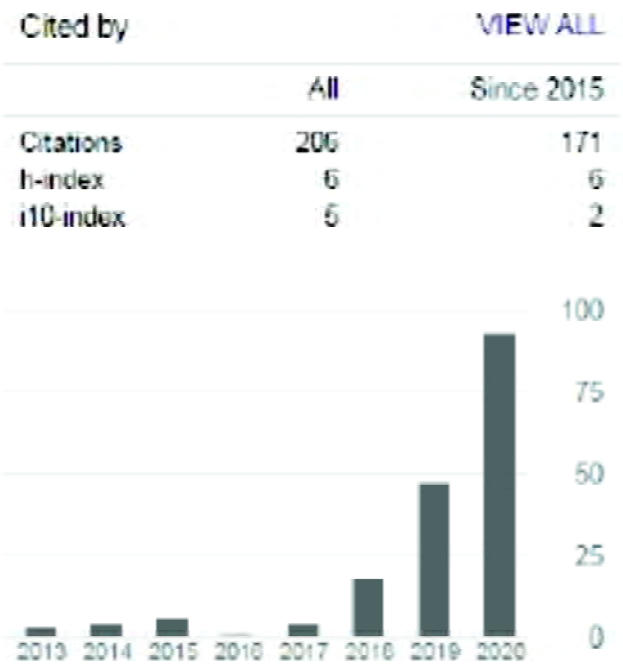
i. Prof. B.C. Yadav - 3426



ii. Prof. Devesh Kumar - 8478



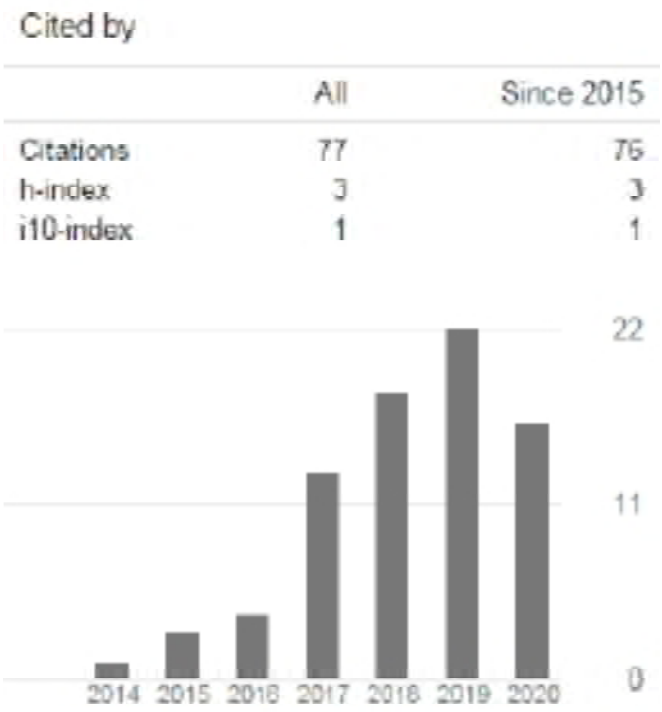
iii. Dr. Anil Kumar Yadav - 205



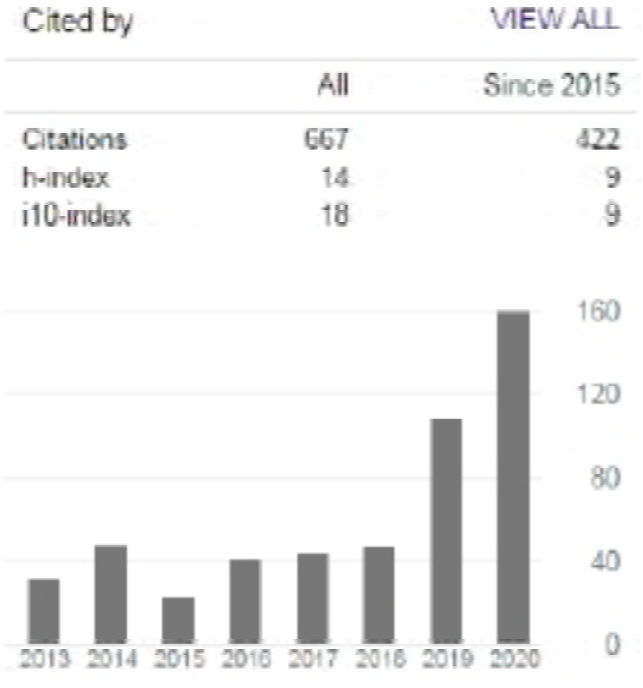
iv. Dr. Ramesh Chandra - 614



v. Dr. Devendra Singh - 77



vi. Dr. Khem B. Thapa - 667



DEPARTMENT OF STATISTICS

The Department was established in the year 2010 to teach Post Graduate students under the name of Department of Applied Mathematics & Statistics. The Department of Statistics as an independent department came into existence in March, 2012 under the headship of Prof. Surinder Kumar. The Department introduced M. Phil. Programme from the academic session 2014-15 and is currently running M.Sc., M.Phil. and Ph.D. Programmes. Since its very inception, the Department has grown rapidly and is championing the cause of Statistics. The faculty members of the department are highly qualified and are engaged in diverse fields of research in Statistics ranging from Reliability and Sequential Analysis, Econometrics, Mathematical Programming Techniques, Sampling Techniques, Stochastic Orders, Regression Modeling and Agricultural Statistics. The courses in the Department are designed to inculcate analytic and decisionmaking aptitude among the students. The Department also caters to the needs of researchers, academicians and scientists from other disciplines seeking guidance and advice in handling the Statistical work involvedin their research. The mission and vision of the Department of Statistics is to inculcate statistical thinking in young minds for better future planning and welfare of society and to contribute to the society through excellence in statistical education and research.

1. Courses offered/New Courses

i. PG Programme (M.Sc. in Statistics)

ii. M.Phil. in Statistics

iii. Ph.D. in Statistics

2. Facilities available in the Department

i. Computer Lab (with 20 computers & 01 projector)

ii. Research scholar's room

iii. Class rooms

iv. Rooms for faculty members

3. Details of the Faculty

i. Dr. Madhulika Dube

Head & Professor

Specialization: Econometrics, Biostatistics/ Medical Statistics, Regression

ii. Dr. Surinder Kumar

Professor

Specialization: Reliability Theory, Sequential Testing, Bayesian Analysis and Statistics.

iii. Dr. Rahul Varshney

Assistant Professor

Specialization: Sampling Theory, Mathematical Programming, Optimization

iv. Dr. Amit Kumar Misra

Assistant Professor

Specialization: Stochastic Ordering, Reliability Theory, Redundancy Allocations

v. Dr. Subhash Kumar Yadav

Assistant Professor

Specialization: Sampling, Regression Analysis, Operations Research.

vi. Dr. Minakshi Mishra

Assistant Professor

Specialization: Regression Analysis, Design of Experiment and Soft-Computing Techniques

4. Other Department Level Academic Activities

i. Guest Lecture delivered by Dr. Shakti Kumar, Professor, Centre for Economic Studies and Planning, JNU, New Delhi, on the topic "Use of Statistical Models in Economic data", on 05/11/2019 in the Department of Statistics.

ii. Guest Lecture Delivered by Ms. Anupriya Mishra, Assistant Manager (Statistician), State Bank of India, Mumbai, on the topic "Applications of Statistics in Banking", on 08/11/2019 in the Department of Statistics.

5. Co-curricular/Extra-curricular/Sports Activities

i. All the Research scholars, students along with faculty members of the Department of Statistics

participated in Safai Abhiyan on 14th Feb., 2020 under the flagship of "Swachha Bharat Shrestha Bharat".

ii. All the students, scholars, staff and faculty members of the Department of Statistics participated in An Introductory Orientation Programme on Yoga, Presented by the Yoga Instructor, University Health Centre on 15/10/2019.

6. Membership/Fellowship of Professional/ Academic Bodies/editorial Board

Prof. Madhulika Dube

i. External Member, PG Board of Studies and Research Degree Committee in Statistics, Kumaun University, Nainital

ii. Member, Executive Council, Ch Bansi Lal University Haryana

iii. Coordinator International Students' Centre, BBA University, Lucknow

iv. External Member, PG Board of Studies in Statistics and OR, Aligarh Muslim University, Aligarh

v. Head, Department of Statistics, BBA University, Lucknow

vi. Chairperson, BPGS, Department of Statistics, B.B.A. University, Lucknow

vii. Chairperson, DRC, Department of Statistics, B.B.A. University, Lucknow

viii. Member, Data Analytics Core Group

ix. Life Member Indian Bayesian Society

x. Life Member Indian Science Congress Association.

xi. Life Member Indian Statistical Association.

xii. Life Member the Indian Econometric Society.

xiii. Life Member Indian Society of Information Theory and Applications.

xiv. Life Member Forum for Interdisciplinary Mathematics

Dr. Surinder Kumar

i. DRC member, Department of Statistics Babasaheb Bhimrao Ambedkar University, Lucknow.

ii. BPGS member, Department of Statistics Babasaheb Bhimrao Ambedkar University, Lucknow.

iii. School Board Member, School of Physical and Decision Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow

iv. RDCU member Department of Statistics Babasaheb Bhimrao Ambedkar University, Lucknow.

Dr. Rahul Varshney

i. DRC member, Department of Statistics Babasaheb Bhimrao Ambedkar University, Lucknow

ii. BPGS member, Department of Statistics Babasaheb Bhimrao Ambedkar University, Lucknow

iii. Life member of International Indian Statistical Association (IISA).

iv. Life member of Indian Society for Probability and Statistics (ISPS) (ID: LM/2010/49/833)

v. Life member of Kerala Statistical Association

vi. Life member of OPERATIONAL RESEARCH SOCIETY OF INDIA (ORSI) (ID:1128/R/15/ML)

vii. Life member of Indian Society for Medical Statistics

viii. Member of SWOT Analysis Committee of the University, BBAU, Lucknow

ix. Member of 'Ek Bharat Shrestha Bharat' Committee of the University, BBAU, Lucknow

Dr. Amit Kumar Misra

i. Student member of 'Institute of Actuaries of India'

ii. Lifetime member of 'Indian Society for Medical Statistics

iii. DRC member, Department of Statistics Babasaheb Bhimrao Ambedkar University, Lucknow

Dr. Subhash Kumar Yadav

i. Member Editorial Board, Journal of Reliability and Statistical Studies.

ii. DRC member, Department of Statistics Babasaheb Bhimrao Ambedkar University, Lucknow

iii. BPGS member, Department of Statistics Babasaheb Bhimrao Ambedkar University, Lucknow

iv. Member of SWOT Committee, BBAU, Lucknow

Dr. Minakshi Mishra

i. Life Member of Society for Application of Statistics in Agriculture and Allied sciences

ii. Annual Member of Journal of Agro-meteorologist

iii. Life Member of Crop &Weed Science Society, BCKV.

iv. Annual Member of Indian ecological society

v. DRC member, Department of Statistics Babasaheb Bhimrao Ambedkar University, Lucknow

vi. BPGS member, Department of Statistics Babasaheb Bhimrao Ambedkar University, Lucknow

vii. Papers published during the year:

Prof. Madhulika Dube

i. Dube. M., Singh, V. and Yadav, S.K., (2020) Assessment of the Regional Disparities in development of Agricultural Sector in Uttar Pradesh: A Statistical AnalysisInternational Journal of Agricultural Statistical Sciences Vol. 16 (2). Impact Factor 0.050

ii. Garg R., Dube M. and Krishna H., (2020) Estimation of Parameters and Reliability Characteristics in Lindley Distribution using Randomly Censored DataStatistics, Optimization & Information Computing Vol 8 No 1. ISNN: 2310-5070. Impact Factor 0.418

iii. Mradula, Yadav, S.K., Varshney, R. and Dube, M., (2019) Efficient estimation of population mean under stratified random sampling with linear cost functionCommunications in Statistics-Simulation and Computation, ISSN: 0361- 0918 (Print) 1532-4141 (Online) Impact Factor 0.614

iv. Krishna H., Dube, M.. and Garg R.,(2019) Estimation of Stress-Strength Reliability of Inverse Weibull Distribution under Progressive First Failure CensoringAustrian Journal of Statistics. Volume 48 (1), 14–37. ISSN: 1026-597X. Impact Factor 0.775

Prof. Surinder Kumar

i. Surinder and Mradula (2019) A Study of the Sequential Test for the Parameter of the Odd Generalized Exponential Gompertz DistributionJ. Stat. Appl. Pro. Lett. 6, No. 1, 21-28 ISSN : 2090-844X, Impact Factor-0.21

ii. Surinder Kumar and Ankit (2019) Estimation of Stress-Strength Reliability for Inverse Rayleigh Distribution and Power Function Distribution by Transformation Method Pramana Research Journal, Vol. 9, Issue 5, 1106-1117, ISSN : 2249-2976

iii. Surinder Kumar, Prem Lata Gautam and Vaidehi Singh (2020) A study of disaster probability when strength follows power function distribution and stress follows Odd Generalized Exponential Gompertz Distribution (OGE-G) Journal of Statistics Application and Probability 9, No.3, 1-10, ISSN: 20908423

iv. Surinder Kumar, Prem Lata Gautam and Vaidehi Singh(2020)Bayesian estimation for the scale parameter of a family of lifetime distributions under different priors Thailand Statisticians (Accepted) ISSN: 23510676

Dr. Rahul Varshney

i. Mradula, Yadav, S.K., Varshney, R. and Dube, M.(2019) Efficient estimation of population mean under stratified random sampling with linear cost functionCommunications in Statistics - Simulation and Computation ISSN: 0361-0918 (Print) 1532-4141 (Online) Impact Factor 0.614

ii. Varshney, R. and Mradula (2019) Optimum allocation in multivariate stratified sampling design in presence of nonresponse in Gamma cost function Journal of Statistical Computation and.Simulation Vol. 89 (13), 2454-2467. (ISSN: 0094-9655).

iii. Haq, A., I. and Varshney, R.(2020) Compromise allocation problem, in multivariate stratified sampling with flexible fuzzy goals Journal of Statistical Computation and Simulation Vol. 90 (9), 1557–1569. (ISSN: 0094-9655)

Dr. Amit Kumar Misra

i. Misra, A.K., Chanchal, R. and Gupta, V.(2019) Stochastic Comparisons of Series and Parallel Systems with Topp-Leone Generated Family of Distributions Journal of XI'an University of Architecture & Technology, Volume XI, Issue XII, 893-906, 1006-7930, Published online

ii. Misra, A.K., Gupta, V. and Misra, N.(2020) Residual Stochastic Precedence Order Probability in the Engineering and Informational Sciences,

doi:10.1017/S0269964820000017 0269-9648 (Print), 1469- 8951 (Online), Published online

Dr. Subhash Kumar Yadav

iii. Mradula, Yadav, S.K., Varshney, R. and Dube, M.(2019) Efficient estimation of population mean under stratified random sampling with linear cost functionCommunications in Statistics-Simulation and Computation ISSN: 0361-0918 (Print) 1532-4141 (Online) Impact Factor 0.614

iv. Yadav, S.K., Mishra, S.S. and Gupta, S.(2019) An efficient estimator for population variance using parameters of an auxiliary variable, Journal of Statistics & amp; Management Systems, 22, 4 ISSN 2169-0014.

v. Yadav, S.K., Dixit, M.K., Dhungana, H.N. and Mishra, S.S. (2019) Improved estimators for estimating average yield using auxiliary variable, International Journal of Mathematical, Engineering and Management Sciences, 4, 3. ISSN: 2455-7749

vi. Yadav, S.K., Sharma, D.K., and Brown, K. (2020)New class of estimators of the population mean using the known population median of the study variableInternational Journal of Mathematics in Operational Research, 16, 2, 179-201. ISSN-1757-5869.

vii. Yadav, S.K., Sharma, D.K., and Kadilar, C. (2020)New family of estimators for population mean using regression-cum-ratio exponential estimators International Journal of Mathematics in Operational Research, DOI: 10.1504/IJMOR. 2020.10026401, ISSN- 1757-5869.

7. Attended/Participated in Conferences/ Workshops inside Country

Dr. Amit Kumar Misra

Participated in the "Five Days Workshop on LOCF and CBCS System of UGC" held during Oct. 11-15, 2019 organized by Teaching and Learning Centre, Central University of Rajasthan.

8. Invited Lectures inside country

Prof. Madhulika Dube

i. Invited Talk entitled "Never Underestimate the Power of Statistics" in the workshop on Mentoring Budding Researchers organized by Department of Health Research-Multidisciplinary Research Unit, King George's Medical University, Lucknow on February 06, 2020.

ii. Extension Lecture entitled "Data Analysis in Quantitative Research" in ICSSR sponsored Research Methodology workshop for social sciences held from 15th *October to 24th October 2019 at Department of Education, BBA University, Lucknow.*

iii. Extension Lecture entitled "Data Analysis using SPSS" in ICSSR sponsored Research Methodology workshop for social sciences held from 15th October to 24th October 2019 at Department of Education, BBA University, Lucknow.

Dr. Rahul Varshney

i. Invited talk on "The use of SPSS for Data Analysis" at Department of Home Science, Babasaheb Bhimrao Ambedkar University, Lucknow on Sept. 23rd, 2019.

ii. Invited talk on "Graphics with R " at Department of mathematics and Statistics, Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur on Oct. 16th 2019.

Dr. Amit Kumar Misra

i. Resource person for the Workshop on Effective Medical Thesis Writing held at Rohilkhand Medical College and Hospital, Bareilly during Sep. 23rd-24th, 2019.

ii. Resource person for the Workshop on Research Protocol Writing held at Jawaharlal Nehru Medical College, AMU, Aligarh during Nov. 29th-30th, 2019.

iii. Resource person for the Short-Term Course on Operations Research: Techniques and Applications held at KNIT, Sultanpur during Feb. 03rd-07th, 2020.

Dr. Subhash Kumar Yadav

i. Invited talk on "Data Collection and Sampling Techniques" in National workshop on Research Methodology organized by Internal Quality Assurance Cell (IQAC) Dr RML Avadh University, Ayodhya during 20th-26th May, 2019

ii. Invited talk on 'testing of hypothesis" Pre-Ph.D. course work of Department of Biochemistry, Dr RML Avadh University, Ayodhya on 07th May 2019.

iii. Invited talk on 'Data Collection and Sampling Techniques' in Two days Seminar-Cum-Workshop on "Statistics and Sustainable Development Goals" during 13rd-14th July 2019 at Department of Statistics, University of Lucknow, Lucknow.

iv. Invited talk on "Application of Measures of Dispersion in Biological Datasets" at Amity Institute of Biotechnology, Amity University, Uttar Pradesh, Lucknow Campus, Lucknow on September 10, 2019.

9. Details of research projects

Dr. Subhash Kumar Yadav running a project titled 'Developing improved and efficient estimators for estimating average production of Peppermint yield in Barabanki district at block levels' funded by Council of Science and Technology, Uttar Pradesh for Feb 2018-Feb 2020.

10. Students Achievements

I. Faculty wise supervision of the Ph.D. Degree submitted

S. No.	Name of Student	Name of Supervisor
1	Vaidehi Singh	Prof. Surinder Kumar

II. Faculty wise supervision of the student pursuing Ph.D. Degree

S. No.	Name of Student	Name of Supervisor	Name of Co-supervisor
1	Vaishali Gupta	Dr. Amit Kumar Misra	-
2	Ruby Chanchal	Dr. Amit Kumar Misra	-
3	Tarushree Bari	Dr. Amit Kumar Misra	Dr. Subhash Kumar Yadav
4	Mradula	Dr. Rahul Varshney	-
5	Arun Pal	Dr. Rahul Varshney	-
6	Ravi Shanker Sharma	Dr. Rahul Varshney	-
7	Vishwajeet Singh	Dr. Subhash Kumar Yadav	Prof. Madhulika Dube
8	Mohit Kumar Dixit	Dr. Subhash Kumar Yadav	-
9	Vaidehi Singh	Prof. Surinder Kumar	-
10	Prem latat gautam	Prof. Surinder Kumar	-
11	Ankit	Prof. Surinder Kumar	-
12	Mehraj Ud Din Mir	Prof. Surinder Kumar	-
13	Aditi Chaturvedi	Prof. Surinder Kumar	-
14	Ratan Kumar Thakur	Dr. Minakshi Mishra	-

III. Faculty wise supervision of the M. Phil. awarded

S. No.	Name of Student	Name of Supervisor
1.	Shanya Baghel	Dr. Subhash Kumar Yadav

IV. Accomplishments of students

- Number of students completed their masters: 14
- Number of students pursuing higher studies: 01
- Number of students selected in other government jobs/banking/school teaching etc.:06
- Number of students placed through campus interview: Nil
- Number of students awarded SLET/NET/JRF/any other fellowship: 03

11. Google Profile of the faculty Members

Prof. Madhulika Dube

Cited by

	All	Since 2015
Citations	158	110
h-index	8	5
i10-index	5	2

Prof. Surinder Kumar

Cited by

	All	Since 2015
Citations	78	51
h-index	4	4
i10-index	2	1

Dr. Amit Kumar Misra

Cited by

	All	Since 2015
Citations	124	91
h-index	6	5
i10-index	5	5

Dr. Subhash Kumar Yadav

Cited by

	All	Since 2015
Citations	354	327
h-index	11	10
i10-index	12	11

भाषा एवं साहित्य विद्यापीठ

विद्यापीठ का संक्षिप्त विवरण

विश्वविद्यालय के अंतर्गत स्थापित भाषा एवं साहित्य विद्यापीठ शिक्षा एवं समाज के क्षेत्र में महत्तर उद्देश्यों की पूर्ति करता है। इसके अधीन निम्नलिखित विभागों का संचालन प्रस्तावित है- अंग्रेजी, हिंदी, संस्कृत, उर्दू एवं अन्य विदेशी भाषाएँ। विद्यापीठ का लक्ष्य भाषा एवं साहित्य के शिक्षण के माध्यम से अध्येताओं में ज्ञान एवं संवेदना का विकास एवं विस्तार करना है। उच्चतर शिक्षा को केंद्र में रखते हुए विद्यापीठ की संकल्पना का यह प्रधान ध्येय है कि भाषाओं के शिक्षण में अंतर-अनुशासनिक शिक्षण को महत्व दिया जाय एवं उनकी प्रकृति को समावेशी बनाया जाय। विद्यापीठ विभिन्न भाषाओं के साहित्य के बीच तुलनात्मक शिक्षण एवं शोध को बढ़ावा देता है। इनके साथ ही साथ विद्यापीठ भाषा एवं साहित्य के क्षेत्र में उच्चस्तरीय शोध को अवधारित, विकसित एवं परिमार्जित करता है। भाषा एवं साहित्य विद्यापीठ परम्परागत अनुसंधान से भिन्न समाज एवं संस्कृति के अप्रकाशित, अनछुए पहलुओं पर अनुसन्धान कार्य को भी प्रोत्साहित करता है। वर्तमान में विद्यापीठ के अंतर्गत हिंदी विभाग का संचालन हो रहा है। शीघ्र ही अन्य विभागों को स्थापित किये जाने की भी सम्भावना है। वर्तमान में भाषा एवं साहित्य विद्यापीठ के अन्तर्गत केवल हिन्दी विभाग संचालित है।

हिन्दी विभाग

2013 में स्थापित हिन्दी विभाग, भाषा एवं साहित्य के क्षेत्र में शिक्षण के पाठ्यक्रम संचालित करता है। बाबासाहेब के स्वप्नों एवं आदर्शों के अनुरूप ही विभाग ने साहित्य-शिक्षण-दर्शन को अंगीकार किया है। अंतर-अनुशासनिक अध्ययनों की प्रासंगिकता देखते हुए विभाग ने परा-स्नातक पाठ्यक्रम को नितांत नया रूप दिया है, उसमें राष्ट्रीय संस्कृति एवं वैचारिकी को गहराई से समावेशित किया है तथा उसे वैश्विक रूप देने की भी कोशिश की है। विभाग हिन्दी पत्रकारिता में स्नातकोत्तर डिप्लोमा (एक वर्षीय, स्ववित्त पोषित) पाठ्यक्रम भी संचालित करता है जो छात्रों को मीडिया क्षेत्र में रोजगार के अवसर प्रदान करता है। विभाग में शोधपरक पाठ्यक्रम भी संचालित हो रहे हैं। वर्तमान में विभाग केंद्रीय पुस्तकालय के पूर्णतया वातानुकूलित द्वितीय तल पर स्थिति है तथा पाँच स्थाई शिक्षक उसमें नियुक्त हैं।

1. Courses Offered

i. एम.ए.-हिन्दी

ii. पी.जी.डिप्लोमा-हिन्दी पत्रकारिता

iii. एम.फिल.-हिन्दी

iv. पीएच.डी.-हिन्दी

2. Facilities available in the Department

i. Classrooms: 03

ii. Classrooms with LCD facilities: 02

iii. Classrooms with WiFi/LAN: 03

Details of Faculty

क. डॉ. सर्वेश सिंह

उपाचार्य एवं अध्यक्ष
विशेषज्ञता : भक्तिकालीन कविता, आधुनिक कथा साहित्य, समकालीन कविता
शैक्षिक योग्यता : नेट., एम.फिल., पी.एच.डी.

ख. डॉ. बलजीत कुमार श्रीवास्तव

सहायक आचार्य
विशेषज्ञता : लोकसाहित्य, प्रयोजनमूलक हिन्दी, पत्रकारिता
शैक्षिक योग्यता : नेट., पीएच.डी.

ग. डॉ. शिवशंकर यादव

सहायक आचार्य
विशेषज्ञता : हिन्दी आलोचना, हिन्दी साहित्य का इतिहास, हिन्दी पत्रकारिता
शैक्षिक योग्यता : नेट., पीएच.डी.

घ. डॉ. नमिता जैसल

सहायक आचार्य
विशेषज्ञता : हिन्दी नाटक, कथा साहित्य
शैक्षिक योग्यता : नेट., पीएच.डी.

च. डॉ. प्रीति राय

सहायक आचार्य
विशेषज्ञता : कथा साहित्य, तुलसी साहित्य, हिन्दी कविता
शैक्षिक योग्यता : नेट., पीएच.डी.

4. Details of the Seminar/Conference organized by the Department

i. माननीय कुलपति महोदय की सम्प्रेरणा से दिनांक 13.10.2019 को महर्षि वाल्मीकि जयंती समारोह का आयोजन किया गया। समरोह में मुख्य अतिथि के रूप में शामिल होने के लिए पूर्व यू.पी. पुलिस महानिदेशक एवं उ.प्र. अनुसूचित जाति एवं जनजाति आयोग के वर्तमान अध्यक्ष श्री बृजलाल जी थे। समारोह का उद्देश्य महर्षि वाल्मीकि के व्यक्तित्व एवं कृतित्व के माध्यम से भारत की सच्ची संकल्पना थी। समारोह का मूल विषय 'समरस-भारत' था। समारोह के दौरान मुख्य अतिथि एवं माननीय कुलपति महोदय जी द्वारा विश्वविद्यालय में कार्यरत वाल्मीकि समुदाय के लोगों एवं कर्मचारियों को सम्मानित भी किया गया।

ii. हिन्दी विभाग द्वारा दिनांक 20-21 फरवरी, 2020 को डॉ. शिवशंकर यादव के संयोजन एवं डॉ. सर्वेश सिंह की अध्यक्षता में ''मौलिक चिंतन एवं मातृभाषा'' विषय पर समारोह एवं विश्वविद्यालय स्तर पर विभिन्न प्रतियोगिताओं (निबंध लेखन, वाद-विवाद, स्वरचित कविता पाठ, नुक्कड़ नाटक) का आयोजन किया गया। जिसमें विश्वविद्यालय के विभिन्न विभागों के छात्रों ने भाग लिया। प्रतियोगिता में विजेता छात्रों को स्मृति चिन्ह् एवं प्रमाण पत्र, देकर पुरस्कृत किया गया।

5. Other Departmental level Academic activities

i. दिनांक 04.06.2020 को ''कविता दृष्टि एवं पाठ'' विषय पर फेसबुक पेज 'शोध रंग' के माध्यम से ऑनलाईन अतिथि व्याख्यान

मुख्य वक्ताः- डॉ. अनामिका

ii. दिनांक 10.06.2020 को ''तुलसी के राम'' विषय पर फेसबुक पेज 'शोध रंग' के माध्यम से ऑनलाईन अतिथि व्याख्यान

मुख्य वक्ताः- प्रो. ओम प्रकाश सिंह, सी.आई.एल. जे.एन.यू., नई दिल्ली

iii. दिनांक 15.06.2020 को ''तुलसी की कविताई'' विषय पर फेसबुक पेज 'शोध रंग' के माध्यम से ऑनलाईन अतिथि व्याख्यान

मुख्य वक्ताः- डॉ. मलखान सिंह, सी.आई.एल. जे.एन.यू., नई दिल्ली

iv. दिनांक 23.06.2020 को ''जायसी एक पुर्नविचार'' विषय पर फेसबुक पेज 'शोध रंग' के माध्यम से ऑनलाईन अतिथि व्याख्यान

मुख्य वक्ताः- प्रो. मनोज सिंह, आचार्य, हिन्दी विभाग, बी.एच.यू., वाराणसी

v. दिनांक 25.06.2020 को ''भोजपुरी लोक में जाति'' विषय पर फेसबुक पेज 'शोध रंग' के माध्यम से ऑनलाईन अतिथि व्याख्यान

मुख्य वक्ताः- डॉ. रामनारायण तिवारी, सह-आचार्य, गाजीपुर पी.जी. कालेज, गाजीपुर

vi. दिनांक 26.06.2020 को ''विजयदेवनारायण साहीः आलोचना और विचारधारा' विषय पर फेसबुक पेज 'शोध रंग' के माध्यम से ऑनलाईन अतिथि व्याख्यान

मुख्य वक्ताः- डॉ. प्रभाकर सिंह, हिन्दी विभाग, बी.एच.यू., वाराणसी

6. Co-curricular/Extra-curricular/Sports Activities by the Department

विभाग द्वारा विभिन्न सांस्कृतिक कार्यक्रमों (शिक्षक दिवस, फ्रेशर पार्टी, वेलकम पार्टी, पौधा रोपड़) का आयोजन समय-समय पर किया गया।

7. Visitors of Department from inside the country

i. प्रो. सुधीर प्रताप सिंह, सी.आई.एल. जे.एन.यू., नई दिल्ली

ii. प्रो. अवधेश प्रताप सिंह, हिन्दी एवं तुलनात्मक साहित्य विभाग, अन्तरर्राष्ट्रीय हिन्दी विश्वविद्यालय वर्धा, महाराष्ट्र

iii. डॉ. धर्मेन्द्र प्रताप सिंह, हिन्दी एवं तुलनात्मक साहित्य विभाग, केरल केन्द्रीय विश्वविद्यालय, केरल

iv. डॉ. वीरेन्द्र सिंह यादव, अध्यक्ष, हिन्दी विभाग, डॉ. शकुन्तला मिश्रा, राष्ट्रीय पुर्नवास विश्वविद्यालय, लखनऊ 249

8. Members/Fellowship of professional/ Academic bodies/editorial board

डॉ. सर्वेश सिंह

i. सदस्य, एकेडिक कांउसिल, बी.बी.ए.यू., लखनऊ

ii. सदस्य, स्कूल बोर्ड, बी.बी.ए.यू., लखनऊ

डॉ. बलजीत कुमार श्रीवास्तव

i. कार्यकारिणी सदस्य भारतीय हिन्दी परिषद् प्रयाग

ii. संपादक, शोध समीक्षा पीयर रिव्यूड एण्ड रेफ्रीड रिसर्च जर्नल

iii. सदस्य, स्कूल बोर्ड, बी.बी.ए.यू., लखनऊ

iv. विषय विशेषज्ञ उ.प्र. भाषा संस्थान, लखनऊ एवं हिन्दुस्तानी एकेडमी, प्रयागराज

v. सदस्य सचिव, पुरातन छात्र समिति बी.बी.ए.यू., लखनऊ

vi. सदस्य, बजट आवटंन समिति, बी.बी.ए.यू., लखनऊ

vii. सदस्य, सलाहकार समिति वि वविद्यालय, अतिथगृह

viii. सदस्य बी.पी.जी.एस., डी.आर.सी. हिन्दी विभाग, बी.बी.ए.यू.

डॉ. शिवशंकर यादव

i. सदस्य, बोर्ड ऑफ स्टडीज़, ख्वाजा मोईनुद्दीन चिश्ती भाषा विश्वविद्यालय, लखनऊ

ii. समनव्यक, आई.क्यू.ए.सी. हिन्दी विभाग, बी.बी.ए.यू.

iii. आजीवन सदस्य, भारतीय हिन्दी परिषद, प्रयाग

iv. सदस्य, अन्य पिछड़ा वर्ग प्रकोष्ठ, बी.बी.ए.यू., लखनऊ

v. सदस्य, बी.पी.जी.एस., हिन्दी विभाग, बी.बी.ए.यू.

vi. डी.आर.सी. हिन्दी विभाग, बी.बी.ए.यू.

vii. समनव्यक, युवान मंच, हिन्दी विभाग, बी.बी.ए.यू.

viii. विषय विशेषज्ञ, ख्वाजा मोईनुद्दीन चिश्ती भाषा विश्वविद्यालय, लखनऊ

ix. विषय विशेषज्ञ, डॉ. शकुन्तला मिश्रा राष्ट्रीय पुनर्वास विश्वविद्यालय, लखनऊ

9. Details of Books written/edited by faculty members

डॉ. सर्वेश सिंह

i. मसान भैरवी (कहानी संग्रह), नॉटनल ऑनलाईन प्रकाशन, 2019 ISBN- 978-93-87621-21-3

ii. हिन्दू (काव्य संग्रह), अमन प्रकाशन, कानपुर, 2020, ISBN-978-93-89220-88-9

डॉ. प्रीति राय

i. कृष्णा सोबती के उपन्यासों में अभिव्यक्त समसामयिक युगबोध, अमन प्रकाशन, कानपुर, 2020, प्रकाशनाधीन

ii. मैत्रेयी पुष्पा के उपन्यास विविध आयाम, अमन प्रकाशन, कानपुर, 2020, प्रकाशनाधीन

10. Details of Book Chapter in edited volume

डॉ. बलजीत कुमार श्रीवास्तव

i. बाँके बिहारी कृष्ण के विभिन्न स्वरूप-भारतीय साहित्य में कृष्ण, देश भारती प्रकाश्न, दिल्ली प्रथम संस्करण, 2019 ISBN- 978-93-81488-57-7

ii. रीतिकालीन हिन्दी साहित्य में प्रकृति चित्रण की विधाएं- उत्तर मध्यकालीन भारत में हिन्दी साहित्य और सौन्दर्य दृष्टि की अस्मिता संघर्ष, ए.बी.एस. बुक्स प्रकाशन, दिल्ली ISBN-978-93-87229-48-8

11. Paper Published during the year by the faculty members

डॉ. सर्वेश सिंह

i. निर्मल वर्मा की साहित्य दृष्टि, हिन्दी समय, 2019 ISSN-2394-6687

ii. आधुनिक कथा भाषा, हिन्दी समय, अप्रैल-2019 ISSN-2394-6687

iii. भाषा का विचलन, भीष्म साहनी, शोध धारा जून-2019 ISSN- 0975-3664

iv. पूर्वी मेघ और पश्चिमी अंधेरे, कथाक्रम अक्टूबर-दिसम्बर, 2019 ISSN- 2231-2161

डॉ. बलजीत कुमार श्रीवास्तव

i. ठाकुर शिव प्रसाद सिंह के लोक साहित्य में लोकगीतों का महत्व, हिन्दी अनुशीलन वर्ष 62, अंक-1 जनवरी 2020 ISSN-2249-930X

ii. वैश्वीकरण के दौर में हिन्दी सिनेमा के विविध विमर्श-संवाद पथ-केन्द्रीय हिन्दी संस्थान, आगरा, वर्ष 2, अंक-4, अक्टूबर-दिसम्बर, 2019, ISSN- 2591-7353

iii. अवधी लोकसंस्कृति के उपादान-साहित्य भारती, उ.प्र. हिन्दी संस्थान, वर्ष 22, अंक 3, जुलाई-सितम्बर, 2019 ISSN-2455-1309

iv. उड़िया के संतों का साहित्यिक प्रदेय- हिन्दी समय, जनवरी 2020 ISSN-2394-6687

v. लोक साहित्य का संवर्धन समस्या एवं समाधान- हिन्दी समय अगस्त, 2019 ISSN-2394-6687

vi. छायावादी रचना की दृष्टि में नारी-ई-सहचर पत्रिका अप्रैल, 2019 ISSN- 2395-2873

vii. सूचना प्रौद्योगिकी के विकास में हिन्दी पत्रकारिता का योगदान- शोध धारा, अंक 56, मार्च, 2020 ISSN- 0975-3364

डॉ. शिवशंकर यादव

ii. "प्रेमचंद के उपन्यासों पर गांधी दर्शन का प्रभाव" वेदांजलि अंतर्राष्ट्रीय विद्वत्समीक्षित (पीयर रिव्यूड) अंतर्विषयक शोध पत्रिका, वैदिक एजुकेशनल रिसर्च सोसाइटी वाराणसी अंक-12, जुलाई-दिसंबर 2019

डॉ. प्रीति राय

i. हिन्दी साहित्य में चित्रित किन्नर समाज : एक अध्ययन, आम्नायिकी, अंक-15, ISSN- 2277-4270

12. Attended/participated in Conferences/ seminar/webinar/workshop inside Country

डॉ. सर्वेश सिंह

i. केदारनाथ सिंह की काव्य भाषा, केदारनाथ सिंहः स्मृति संघर्ष और सौन्दर्य, हिंदी विभाग, बी.एच.यू., वाराणसी, 01 सितम्बर 2019

ii. शोध, आलोचना एवं रचना, भारतीय भाषा महोत्सव, लखनऊ विश्वद्यिालय, 23 फरवरी 2020

iii. मौलिक चिंतन एवं मातृभाषा, मातृभाषा समारोह बीबीएयू, लखनऊ, 20 फरवरी 2020

iv. राष्ट्र निर्माण और भारतीय साहित्य, राष्ट्र निर्माण सामाजिक विज्ञान ICSR-NRC, UPRTOU, प्रयागराज 4 फरवरी, 2020

v. कोरोना काल में शिक्षा की चुनौतियाँ, फेसबुक लाइव व्याख्यान, Kaavish The Beginning, 28 जून 2020

vi. राष्ट्र निर्माण में हिंदी साहित्य के प्रकल्प का समसामयिक महत्व, एल.एन.मिथिला विश्वविद्यालय दरभंगा, 21 जून 2020

vii. प्रगतिशील आलोना और रामचरितमानस, फेसबुक लाइव, CIL, JNU, नई दिल्ली, 7 जून 2020

viii. नवजागरण की विचारधारा, इन्द्रप्रस्थ साहित्य भारती, दिल्ली, 28 मई 2020

ix. हिंदी आलोना के अंतर्विरोध, फेसबुक लाइव-अज्ञेय सहचर, 24 मई 2020

x. फिर से पाठ : रामचरितमानस, bbausocialmedia, fb live, 17 मई 2020

xi. नई कविता : एक पुर्नविचार, वाणी प्रकाशन फेसबुक लाइव, 16 जून 2020

डॉ. बलजीत कुमार श्रीवास्तव

i. तुलसीदास के काव्य में लोकमंगल का भाव, महात्मा गांधी अन्तर्राष्ट्रीय विश्वविद्यालय, वर्धा, महाराष्ट्र 7-8 अगस्त, 2019

ii. अमृतलाल नागर के साहित्य में सांस्कृति प्रदेय, हिन्दुस्तानी एकेडमी, प्रयागराज एवं हिन्दी विभाग, लखनऊ विश्वविद्यालय, लखनऊ, 31 अगस्त 2019

iii. भारतेन्दु के साहित्य में राष्ट्रीय चेतना, उ.प्र. हिन्दी संस्थान एवं हिन्दी विभाग, लखनऊ विश्वविद्यालय, लखनऊ, 9 सितम्बर, 2019

iv. रीतिकालीन कवियों का कर्मबोध, उ.प्र. हिन्दी संस्थान एवं युवराज दत्त स्नातकोत्तर महाविद्यालय, लखीमपुर खीरी 14-15 दिसम्बर, 2019

v. हिन्दी साहित्य के संवर्द्धन में अबाध के साहित्यिकारों का प्रदेय, उ.प्र. भाषा संस्थान, लखनऊ 24 जनवरी 2020

vi. आधुनिक हिन्दी साहित्य में गाँधी दर्शन की प्रांसगिकता, हिन्दी विभाग, राजीव गाँधी, विश्वविद्यालय, ईटानगर एवं भारतीय दार्शनिक अनुसंधान परिषद, नई दिल्ली, 18-19 फरवरी, 2020

vii. शाह के निबंधों में सांस्कृतिक अनुगूंज, उ.प्र. हिन्दी 250 251 संस्थान, सिद्धार्थ विश्वविद्यालय, कपिलवस्तु एवं अखिल भारतीय साहित्य परिषद, गोरक्षप्रांत 21-22 दिसम्बर, 2019

डॉ. शिवशंकर यादव

i. ''अमृतलाल नागर के उपन्यासों में सामाजिक चित्रण'' हिन्दी तथा आधुनिक भारतीय भाषा विभाग, लखनऊ विश्वविद्यालय, लखनऊ, 31 अगस्त, 2019

ii. ''हिन्दी साहित्य के विकास में भारतेन्दु की भूमिका'' हिन्दी तथा आधुनिक भारतीय भाषा विभाग, लखनऊ विश्वविद्यालय, लखनऊ, 09 सितंबर, 2019

iii. ''विश्व भाषा के रूप में हिन्दी'' हिन्दी एवं अन्य भारतीय भाषा विभाग, डॉ. शकुन्तला मिश्रा राष्ट्रीय पुनर्वास विश्वविद्यालय, लखनऊ, 14 सितंबर, 2019

iv. ''प्रेमचंद के उपन्यासों पर गांधी दशन का प्रभाव'' हिन्दी तथा आधुनिक भारतीय भाषा विभाग, लखनऊ विश्वविद्यालय, 02 अक्तूबर, 2019

v. ''हिन्दी विज्ञान लेखन का महत्त्व'', राष्ट्रीय हिन्दी विज्ञान लेखक सम्मेलन एवं परिसंवाद-2019, उत्तर प्रदेश भाषा संस्थान, लखनऊ, 11-12 अक्तूबर, 2019

vi. ''भाषा का सामाजिक महत्त्व'' उत्तर प्रदेश भाषा संस्थान, लखनऊ एवं हिन्दी तथा आधुनिक भारतीय भाषा विभाग लखनऊ विश्वविद्यालय द्वारा आयोजित ''भारतीय भाषा महोत्सव-2020'' 22, 23 एवं 24 फरवरी, 2020

vii. राष्ट्रीय कार्यशाला, EXCESSIVE TENSION/STRESS, बी.बी.ए.यू., लखनऊ, 17-18 अगस्त, 2019

डॉ. प्रीति राय

i. राष्ट्रीय कार्यशाला, भक्तिकाल में लोकचेतना, हिन्दी विभाग, अनुश्री पी.जी. कॉलेज भदोहीं, 1-4 जनवरी 2020

13. Attended/participated in Conferences/ seminar/workshop outside the Country

डॉ. सर्वेश सिंह

i. Epidemics and pandemics, DAV PG College, Varanasi, 29th-30th April 2020

i. भाषा एवं साहित्य शिक्षण का भविष्य, न्यू एजूकेशन पॉलिसी, 2020, सेठ पीसी बाग्ला कॉलेज, हाथरस, 7 सितम्बर, 2020

Details of invited lectures inside country

डॉ. सर्वेश सिंह

i. केदारनाथ सिंह की काव्य भाषा, केदारनाथ सिंहः स्मृति संघर्ष और सौन्दर्य, हिंदी विभाग, बी.एच.यू., वाराणसी, 01 सितम्बर 2019,

ii. शोध, आलोचना एवंरचना, भारतीय भाषा महोत्सव, लखनऊ विश्वद्यिालय, 23 फरवरी 2020

iii. मौलिक चिंतन एवं मातृभाषा, मातृभाषा समारोह बीबीएयू, लखनऊ, 20 फरवरी 2020

iv. राष्ट्र निर्माण और भारतीय साहित्य, राष्ट्रनिर्माण सामाजिक विज्ञान ICSSR-NRC, UPRTOU, प्रयागराज 4 फरवरी, 2020

v. कोरोना काल में शिक्षा की चुनौतियाँ, फेसबुक लाइव व्याख्यान, Kaavish The Beginning, 28 जून 2020

vi. राष्ट्र निर्माण में हिंदी साहित्य के प्रकल्प का समसामयिक महत्व, एल.एन. मिथिला विश्वविद्यालय दरभंगा, 21 जून 2020

vii. प्रगतिशील आलोना और रामचरितमानस, फेसबुक लाइव, CIL, JNU, नई दिल्ली, 7 जून 2020

viii. नवजागरण की विचारधारा, इन्द्रप्रस्थ साहित्य भारती, दिल्ली, 28 मई 2020

ix. हिंदी आलोना के अंतर्विरोध, फेसबुक लाइव-अज्ञेय सहचर, 24 मई 2020

x. फिर से पाठ : रामचरितमानस, bbausocialmedia, fb live, 17 मई 2020

xi. नई कविता : एक पुनविचार, वाणी प्रकाशन फेसबुक लाइव, 16 जून 2020

डॉ. बलजीत कुमार श्रीवास्तव

i. तुलसीदास के काव्य में लोकमंगल का भाव, महात्मा गाँधी अन्तर्राष्ट्रीय विश्वविद्यालय, वर्धा, महाराष्ट्र 7th-8th अगस्त, 2019

ii. अमृतलाल नागर के साहित्य में सांस्कृति प्रदेय, हिन्दुस्तानी एकेडमी, प्रयागराज एवं हिन्दी विभाग, लखनऊ विश्वविद्यालय, लखनऊ, 31st अगस्त 2019

iii. भारतेन्दु के साहित्य में राष्ट्रीय चेतना, उ.प्र. हिन्दी संस्थान एवं हिन्दी विभाग, लखनऊ विश्वविद्यालय, लखनऊ, 9 सितम्बर, 2019

iv. रीतिकालीन कवियों का कर्मबोध, उ.प्र. हिन्दी संस्थान एवं युवराज दत्त स्नातकोत्तर महाविद्यालय, लखीमपुर खीरी 14th–15th दिसम्बर, 2019

v. हिन्दी साहित्य के संवर्द्धन में अबाध के साहित्यिकारों का प्रदेय, उ.प्र. भाषा संस्थान, लखनऊ 24th जनवरी 2020

vi. आधुनिक हिन्दी साहित्य में गांधी दर्शन की प्रांसगिकता, हिन्दी विभाग, राजीव गाँधी, विश्वविद्यालय, ईटानगर एवं भारतीय दार्शनिक अनुसंधान परिषद, नई दिल्ली,18th–19th फरवरी, 2020

viii. शाह के निबंधों में सांस्कृतिक अनुगूंज, उ.प्र. हिन्दी संस्थान, सिद्धार्थ विश्वविद्यालय, कपिलवस्तु एवं अखिल भारतीय साहित्य परिषद, गोरक्षप्रांत 21st–22nd दिसम्बर, 2019

डॉ. शिवशंकर यादव

i. ''अमृतलाल नागर के उपन्यासों में सामाजिक चित्रण'' हिन्दी तथा आधुनिक भारतीय भाषा विभाग, लखनऊ विश्वविद्यालय, लखनऊ, 31st अगस्त, 2019

ii. ''हिन्दी साहित्य के विकास में भारतेन्दु की भूमिका'' हिन्दी तथा आधुनिक भारतीय भाषा विभाग, लखनऊ विश्वविद्यालय, लखनऊ, 09th सितंबर, 2019

iii. ''विश्व भाषा के रूप में हिन्दी'' हिन्दी एवं अन्य भारतीय भाषा विभाग, डॉ. शकुन्तला मिश्रा राष्ट्रीय पुनर्वास विश्वविद्यालय, लखनऊ, 14th सितंबर, 2019

iv. ''प्रेमचंद के उपन्यासों पर गाँधी दर्शन का प्रभाव'' हिन्दी तथा आधुनिक भारतीय भाषा विभाग, लखनऊ विश्वविद्यालय, 02nd अक्टूबर, 2019

v. ''हिन्दी विज्ञान लेखन का महत्त्व'', राष्ट्रीय हिन्दी विज्ञान लेखक सम्मेलन एवं परिसंवाद–2019, उत्तर प्रदेश भाषा संस्थान, लखनऊ, 11th–12th अक्टूबर, 2019

vi. ''भाषा का सामाजिक महत्त्व'' उत्तर प्रदेश भाषा संस्थान, लखनऊ एवं हिन्दी तथा आधुनिक भारतीय भाषा विभाग लखनऊ विश्वविद्यालय द्वारा आयोजित ''भारतीय भाषा महोत्सव–2020' 22, 23rd एवं 24th फरवरी, 2020

vii. राष्ट्रीय कार्यशाला, EXCESSIVE TENSION/STRESS, बी.बी.ए.यू., लखनऊ, 17–18 अगस्त, 2019

डॉ. प्रीति राय

i. राष्ट्रीय कार्यशाला, भक्तिकाल में लोकचेतना, हिन्दी विभाग, अनुश्री पी.जी. कॉलेज भदोहीं, 1–4 जनवरी 2020

iv. Details of National Awards/fellowship

डॉ. बलजीत कुमार श्रीवास्तव, भाषा सम्मान–उ.प्र. भाषा संस्थान, उ.प्र. सरकार द्वारा सम्मानित, दिनांक 24.01.2020।

Students achievements

Number of student completed their masters/graduation/Diploma.: 20

Details of students selected for teaching in higher education.: 01

Number of student pursuing higher studies.: 01

Number of student selected on other government jobs/banking/school teaching etc. 02

Number of student awarded SLET/NET/JRF/any other fellowship : 06

15. Details of the Publications of the students (Books/Article/Books chapter):

क्र.सं.	शोधार्थी / छात्र का नाम	पुस्तकें	पुस्तक में अध्याय	यू.जी.सी. से सूचीबद्ध पत्रिकाओं में आलेख	अन्य पीअर रिव्यूड पत्रिकाओं में आलेख
1	सुश्री स्वाति सिंह			1	
2	सुश्री सरिता यादव		1	2	

- **Any Other Special achievement recorded by the students**

विभाग के परास्नातक छात्र श्री अम्बुज कुमार पाण्डेय ने 'सरदार बल्लभ भाई पटेल स्मारक ट्रस्ट' नई दिल्ली द्वारा आयोजित ''निबंध प्रतियोगिता'' में प्रथम पुरस्कार प्राप्त किया।

विषयः ''आयरन मैन सरदार पटेल'' दिनांक : 27.11.2019

SCHOOL OF EDUCATION

The School of Education has established to address the felt need of the country in the 21st Century in relation to empowerment of teachers in the context of current trend of skills shortage and unemployment. While efforts are under the way to implement programmes ranging from Certificate to Diploma and P.G. Diploma, Bachelor, Master and Ph.D. in the discipline of education from all stages (nursery, elementary, secondary, senior secondary, college and university including technical and vocational). As per the guidelines of the University Grants Commission, six centres are established under School of Education to cater the need of teacher educators and researchers to conduct research and innovations in the field ofEducation. Again the primary reference point for designing and delivering the programmes are at par with the needs and demands of the Industry. Presently, the Centre for Professional Development of Teacher Educators and Teacher Education Curricula (CPDTETEC) has already started M.A Education Programme under Innovative Course.

DEPARTMENT OF EDUCATION

Department of Education has the objective oftraining teachers for secondary schools as well asacademicians committed to the cause of education inits various forms. Department of Education hasadopted Ambedkar's integrated system of educationthrough which education, cultural sensitivity andservice can be provided to motley of communities thatvary from one another. If education is the vehicle ofchange, then the need for having adequately trainedpersonnel becomes urgent. Department of Educationoffers B. Ed., M. A. in Education and researchprogramme leading to Ph.D. It has an active researchcell. The institute has been a committed participant inthe ongoing debate on New Education Policy. Throughits Extension Services Wing, it also realizes the valueof follow-up programmes for providing opportunitiesfor in-service training in the recognition of schoolcourses, improvement of school programmes, newmethods and techniques, etc. for the teachers ofsecondary schools in various districts of Uttar Pradesh. The students of this institute are provided with a veryserious, adequate, guided and supervised field practiceteaching in the schools of Lucknow district. TheDepartment has a well-equipped Audio-Visual Unitto facilitate quality improvement and mobilization inthe teaching-learning process.

Short Term and Long Term Goals

Short Term Goals

i. Designing highly employable Innovative Programmes

ii. Developing Curriculum for School Education

iii. Practicing Pedagogical Innovations

iv. Promoting Action Research

v. Community Outreach

Long Term Goals

i. Extension of Minimum Levels of Learning Competencies from primary stage to upperprimary, secondary and senior secondary stage.

ii. Setting National standard for Twelve Years of School Leaving Certificate

iii. Supporting National and State level Educational Policy for Inclusive development

iv. Linking Policies with educational practices

v. Promoting Indigenous Research

vi. Centre of Excellence in School Education

1. Courses offered

i. Bachelor of Education (B.Ed)

ii. M.A. Education

iii. M.Phil. Education

iv. Ph.D. Education

2. Facilities available in the Department

i. Computer Lab

ii. Departmental laboratory

3. Details of the Faculty

i. Prof. Arbind Kumar Jha Professor, Dean & Head

ii. Dr. Harishankar Singh Associate Professor

iii. Dr. Victoria Susan Ijjina, Assistant Professor

iv. Dr. Shanu Singh, Assistant Professor

v. Dr. Sangeeta Chauhan, Assistant Professor

vi. Dr. Rajesh Ekka, Assistant Professor

vii. Dr. Lalima, Assistant Professor

viii. Dr. Subhash Mishra, Assistant Professor

ix. Dr. Vivek Nath Tripathi, Assistant Professor

4. Details of Seminar/Conference organized by the Department

The department has organized a 10th days ICSSR sponsored "National Workshop on Research Methodology in Social Sciences"

5. Other Departmental Activities

i. Research Colloquium

ii. Organization of lecture series on various contemporary issues in Education by eminent Educationists

   a. Prof. NamitaRangnathan

   b. Prof. Amita Bajpai (Dept. of Education, Lucknow University)

   c. Prof. Sudhanshu Bhushan,

   d. Prof. Girishwar Mishra

   e. Dr. Rajni Ranjan Jha, Faculty of Education, B. H. U., Varanasi

6. Cocurricular/Extra Curricular/Sports Activity by the Department

i. Visit to Orphanage Home

ii. Visit to Old age Home

iii. Visit to Science Centre

iv. Visit to NBRI

v. Visit to CIMAP

vi. Workshop on LifeSkills

7. Visitors of Department from inside the country

i. Prof. Anand Prakash

ii. Prof. Pulin B. Nayak

iii. Prof. Kumar Ravi Priya

iv. Prof. Rajni Ranjan Jha

v. Prof. Kaushal Kishore

vi. Dr. Ajith Jha (Editor, India Today, New Delhi)

vii. Prof. Sudhanshu Bhushan

viii. Prof. Namita Rangnathan

ix. Prof. Ravi Priya

x. Prof. Amita Bajpai

xi. Prof. Girishwar Mishra

8. Members/Fellowship of Professional/ Academic Bodies/Editorial Board

Prof. Arbind Kumar Jha

i. Life Member, Indian Association of Teacher Education (IATE)

ii. Life Member, Council for Teacher Education (CTE)

iii. Life Member, Global Educational Research Association (GERA)

iv. Life Member, All India Association for Educational Research (AIAER)

v. Life Member, Council of Teacher Education

vi. Life Member, National Association of Psychology

vii. Life Member, ICPR

viii. Life Member, CSC

ix. Life Member, JCER

x. En Press Publisher Editorial Board USA

Dr. Harishankar Singh

i. Life Member, All India Association for Educational Research (AIAER)

ii. Life Member, Council for Teacher Education (CTE)

iii. Life Member, Global Educational Research Association (GERA)

iv. Life Member, IPERA

v. Life Member, PPCRA

vi. Life Member, PLAI

Dr. Victoria Susan Ijjina

i. Life Member, All India Association for Educational Research (AIAER)

ii. Life Member, Indian Association of Teacher Education (IATE)

Dr. Sangeeta Chauhan

i. Association of Indian Universities (AIU) - Life Time

ii. AIAER - Life Time

Dr. Lalima

Life Member - Learning Community

Dr. Subhash Mishra

i. Life Member, All India Association for Educational Research (AIAER)

ii. Life Member, Indian Association of Teacher Education (IATE)

iii. Member of Editorial Board of on line journal: Education India: A Quarterly Refereed Journal of Dialogues on Education (ISSN:2278-2435)'

iv. Member advisory board International Sanchar Bulletin Journal (ISSN. No 2229- 3620)

v. Memebr/Associated with "Acharya Narendra Deva Samajwadi Sansthan", Lucknow

Dr. Vivek Nath Tripathi

i. National Executive Members of Indian Association of Teacher Education

ii. AllIndia Association of Teacher Education (I.A.T.E.) - Life Member

iii. All India Association of Educational Research (A.I.A.E.R.) - Life Member

iv. Council of Teacher Education (C.T. E.) - Life Member

v. S.R.S.D. Memorial Shiksha Shodh Sansthan (Agra) - Life Member

vi. Research Advisory Committee Central University Tripura, Agrtala - For a term of two years

vii. Member of I.Q.A.C. J. R. H. University Chitrkoot (U.P) For a term of two years

viii. Member of I.Q.A.C Department of Education as (Working Group), H.P. University Shimla

ix. Member of Indian Science Congress Life Member

9. Details of Book Chapter in Edited Volume

i. Jha, A.K. & Darvan P. (2019). Teaching Learning in Higher Education in India and Australia. Sydney: Routledge

ii. Susan, I.V. and Suman, S (2019). Artificial Intelligence: The Next Generation Student Education. In Smita, S *Impact of Advanced Technology on Education System*. Gaziabad: Swaranjali Publication. 122-124p. (ISBN: 9789388838030)

iii. Subhash Misra (2019). Book Chapter titled "Cognitive Development and Classroom learning" in edited book titled "Learner and Learning Process" Edited by Kalhotra & Malik , Published by Maxford Books, Delhi- ISBN No. 978-81-8116-236-6

iv. Subhash Misra (2019). Book Chapter titled "Conservation, Preservation and Protection of Rich Environmental Heritage: Initiatives and Governmental Policies with Reference to India and Abroad" in Edited Book titled "Environmental Education" by Dr. Sudeshna Lahiri, Kolkata, India & Published by Studera Press, New Delhi. ISBN.978-93- 85883-69-9

10. Papers Published by the faculty members during the year

Prof. Arbind Kumar Jha

Tiwari, S. K. & Jha, K.A. (2019) Divyangoke Prati Shaikshnicdhrishtikonkeadhar par Hindi filmonkaadhyan. Bharathiya Adhunik Shiksha, 39(3), 47-55.

Dr. Lalima

i. Dr.Lalima and Sheetal Prasad (2019) A compartive study of the adjustment of the female and male students studying at higher secondary level Techno LEARN: An International Journal of Educational

Technology 9(2): 01st-08th, December 2019.

ii. Dr. Lalima and Ms.Ankita Rawat (2019), A study of attitude of B.Ed. pupil teachers towards using cyber resources, Studies in Indian Place Names, Vol-40-Issue-71-March-2020

iii. Presented a paper on "Women Empowerment : Economic and Social aspects" in a National Seminar on Paradigm shift of the Indian Economy-New Growth forces with greater Inclusiveness at Dr. Shankerdayal Sharma Institute of Democracy, University of Lucknow, 2019

iv. Presented a paper on "Role of higher education in women empowerment" in a National Seminar on Policy perspectives and emerging issues in higher education, at BBAU, 2019

Dr. Subhash Mishra

i. Rahul Balmiki & Dr. Subhash Misra, (2019) Career Preferences of Students: An Analysis of Secondary Schools of East Sikkim, Shodh Sanchar Bulletin. ISSN No. 22293620, Vo.09, Issue 36, Pages-27-33 (UGC-CARE listed Journal)

ii. Kunzang Peden Bhutia, Dr. Yodida Bhutia & Dr. Subhash Misra (2019). Educational Aspiration of Bhutia Tribe Senior Secondary School Students of Sikkim,Shodh Sanchar Bulletin. ISSN No. 22293620, Vo.09, Issue 36, Pages-56-60 (UGC-CARE listed Journal)

iii. Barsha Chhetri & Dr. SubhashMisra, (2019) Study of Parent -Child Relationship among Secondary School Students of Sikkim Education India Journal, A Quarterly Refereed Journal of Dialogues on Education, ISSN 22782435, Vol. 8, Issue-4, November-2019 page 39-47.

iv. Kunzang Peden Bhutia, Dr. Yodida Bhutia & Dr. Subhash Misra (2019). Conundrums on Educational Choices of Bhutia Tribe Students of Sikkim. Shodh Sarita ISSN.23482397, Vo.06, Issue 24, Pages-75-79 (UGC-CARE listed Journal)

Dr. Vivek Nath Tripathi

i. Indian Higher Education Struggling To Breath Freely: Where is the remedy? Think India International Indexed and Referred Journal Vol. 22 Issue 14. P-1928-1931 ISSN-0971-1260 **(UGC Care List) Dec-2019**

ii. Academic Achievement of KGBV Hostel and Parental Home Girls in the Subjects of English, Mathematics and Science. Volume-04 ISSN: 2455-3085 **(Online) Issue-06 RESEARCH REVIEW International Journal of Multidisciplinary June-2019** www.rrjournals.com **[UGC Listed Journal)**

iii. Provision of Infrastructural Facilities In Kasturba Gandhi Balika Vidyalya Hostels In the State of Himachal Pradesh:Think India International Indexed and Referred Journal Vol. 22 Issue 14.P-4659-4666 ISSN- 0971-1260 **(UGC Care List) Dec-2019**

iv. Cause of Low Learning Outcome and Low Enrolment in Government Primary Schools of Uttar Pradesh: A Study Journal of Emerging Technologies and Innovative Research (International Open Access Journal ISSN 2349-5162 Vol-6 Issue-6 P-342-346[UGC Listed Journal) **June-2019** Impact factor =5.87

v. **Experienced Based Learning: The Quest for new Paradigm**, Education India Journal: A Quarterly Refereed Journal of Dialogues on Education, ISSN 2278-2435, Vol. 8, Issue-3, August-2019.

11. Attended/Participated inseminar/conference/ workshop outside the country

Dr. Sangeeta Chauhan

i. Presented paper on "Quality management and distance education" in National conference on ODL: Significance, Challenges and Potentialities organized by UPRTOU, Prayagraj 01st-02th June, 2019

ii. Presented paper on Enhancing Open Access Resources in National conference on Academic Libraries: Strategies for Sustainable Development in ICT Era organized by UPRTOU, Prayagraj 29 June, 2019

iii. Presented paper on Vartman paripesheya mein Dr. Bhimrao Ambedkar aur Jyotiba Phule keshiksha sambandhi avdharna ki prasangikta. in International conference on Quality Education for Social Inclusion and Sustainable Development organized by Department of Education, University of Allahabad 19th-20th December, 2019

iv. Presented paper on Tulsidas ki rachnaon mein samajik chitran ka vishleshan in National conference on Tulsidas ka samajik chintan organized by SSVV, Varanasi 28th-29th December, 2019

v. Attended National Webinar on Education in the time of COVID-19 organized by S.S. College, Jehanabad, 06.06.2020

vi. Attended in National Webinar on Gender Bias and Stereotyping, Gender Equality and Women's Right organized by IGNTU, Amarkantak 08.06.2020

vii. Attended National Webinar on Voices of Gender Equality in India's Intellectual Tradition organized by CBFW, BBAU, LKO 15.06.2020

viii. Attended National Webinar on Strategies of Research in Changing Landscape of the Education System organized by Bundelkand University, Jhansi 16.06.2020

Dr. Rajesh Ekka

i. International workshop on organizing a literature of review organized by research foundation of India on 06th May, 2020.

ii. International E- panel discussion on online learning & it's positive and negative impact on future generation education organized by ISM, patna on 14th May, 2020

iii. International webinar on Paradigm shift of research trends organized by Central university of Gujarat under PMMMNMTT on 28th May, 2020.

iv. International E-Conference on "Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the World" organized by Government Vidarbha Institute of Science & Humanities, Amravati, India on 15th-17th May, 2020.

v. International Webinar on "Covid-19: Paradigm Shift in Teaching-Learning & Learner's Physical and Mental Well Being" organized by Govt. Raza P.G. College U.P.

vi. National webinar on role and challenges of online media in imparting education organized by Bhagwanadinath college of education maharra on 23rd-24th May, 2020

vii. National webinar of a need of transition in teaching and learning during and after covid-19 organized by CUJ, Ranchi on 9th-10th June 2020

viii. National one day national workshop on teaching learning through Moodle organized by MGCU Motihari on 23rd May 2020

ix. National webinar on online teaching and learning technology organized by ARSD college, New Delhi on 27th April 2020

x. National webinar on Impact of covid–19 in India economy organized by Indian accounting company on 7th-8th June 2020

12. Details of Invited Lecture inside Country

Prof. Arbind Kumar Jha

i. Two lectures on "Pedagogy of Social Science Research" and Narrative Inquiry on 1-12-2019 was delivered at FDC, Ishwar Saran PG Collage, Allahabad University

ii. Four Lectures on Qualitative Research and one workshop on ATLAS Ti on 6-07-2019 and 07-07-2019 Amity University.

iii. Two Lectures on "Constructivist Pedagogy" "Current trends of Higher Education" on 6-12-2019 at BanasthalyVidyapeeth, Rajasthan.

iv. Two Lectures on "Educational Reforms in 21st Century'' and "Roles of Contribution of Universities to Higher Education" on 7-12-2019 at FDC Banasthaly Vidyapeeth, Rajasthan.

v. Two Lectures on "Approaches to Curriculum Development" and Philosophical and Psychological bases of Curriculum Development" on 2-05-2019 at FDC BanasthalyVidyapeeth, Rajasthan.

vi. Two Lectures on "Curriculum Model "and "Higher Education" on 03-05-2019 at FDC Banasthaly Vidyapeeth, Rajasthan.

vii. Two Lectures on "Analytico - Synthetic Research Method" and Narrative Inquiry" on 16-04-2019 at HRDC-UGC Kumaun University, Nainital.

viii. Two Lectures was delivered on "Alternative Assessment Sattartagy" and "Constructivism" on 22-06-2019 & 23-06- 2019 Constructivism on 22-06-2019 & 23- 06-2019 at FITP Central University of South Bihar Gaya.

ix. Three Lectures on ''Curriculum Models", "Approaches to Curriculum'' and Philosophical and Psychological bases of Curriculum development on 3-06-2019. At FDC, KashiVidyapeeth, Varanasi.

x. One Lectures on "Constructivist Epistemology and Pedagogy" was delivered on 4-06-2019 at FDC Kashi Vidyapeeth, Varanasi.

xi. Two Lectures on ''Educational Reforms in 21st Century'' and "Role and Contribution of Universities in Higher Education "were delivered on 15-11-2019 at TLC, SLBSRSV, New Delhi.

xii. Two lectures were delieverd on "Constructivist pedagogy "and "Current Trends of Higher Education on 16-011-2019 at TLC, SLBSRSV, New Delhi.

xiii. One Lectures was deleverd on 27-04- 2019 "Justice as a Democarative Ideal: Actualizer Different and different voices." On at Kumarswami Foundation, Lucknow University.

xiv. Four Lectures were deleverd on , "Epistemological Paradigm of Social Science Research", "Ontological Paradigm of Social Science Research'', "Narrative Inquiry'' and Interpretation

xv. of Interpretation" on 17-09-2019 "at CTRAS School of Education, MS University, Tirunelveli Tamilnadu.

xvi. A lectures on "Draft National Education Policy- 2019" was delivered on 16-12-19 at DYP COE, Pune.

xvii. Two lectures were delivered on "Narrative Inquiry" and " Paradigms of Social Science Research" on 21-11-2019 at Department of Education, Sikkim University, Gangtok.

xviii. Two lectures were delivered on "Constructivist pedagogy" and "Draft National Education Policy -2019," on 11- 09-19 at development of education, Tezpur University.

xix. Two lectures were delivered on "Investigative Approach- Reflection as a tool for Constructivist Learning" and "Writing Reflective Journal" on 11-03-2020 at SoE, GNDU, Amritsar.

xx. A lecture was delivered on "Psychological Engagement of Modernity in India" was delivered on 21-12-19 at ICPR, Lucknow.

xxi. One lecture was delivered on "Emerging Paradigms of Pedagogy in Higher Education" was delivered on 27-02-20 at DOABA College, Jalandhar.

xxii. Two lectures were delivered on "Paradigms of Learning" and "Role Playing on 02-03-2020 and 03-03-2020 at National Institute of Educational Planning and Administration, New Delhi.

xxiii. Two lectures were delivered on "Educational Reforms in 21st Century "and "Construdivist Epistemology and Pedagogy on 24-01-2020 at HRDC-UGC, Lucknow University.

xxiv. A lecture was delivered on "Role of Education in Conservation and Protection of Environment" on 22-02-20 at Department of Education, LNMU, Darbhanga.

Dr. Subhash Mishra

i. Lecture delivered on Rejuvenation of Indian Higher Education Institutions for Nation Building and Global Standard in National Seminar on Rashtra Nirman Men Shaikshik Sansthaon Ka Yogdaan Organized by BBAU, Lucknow on 11.01.20

ii. Lecture delivered on Privatization in Education with reference to Primary, Secondary & Higher Education in National Seminar on Privatization in Education : Issues and Challenges Organized by A.N.D. Teachers Training College, Sitapur, (DHE, Government of Uttar Pradesh Sponsored) on 12.01.20

iii. Lecture delivered on Rejuvenation of Indian Higher Education Institutions for Nation Building and Global Standard in National Seminar on Rashtra Nirman Men Shaikshik Sansthaon Ka Yogdaan Organized by BBAU, Lucknow on 11.01.20

iv. Lecture delivered on Privatization in Education with reference to Primary, Secondary & Higher Education in National Seminar on Privatization in Education : Issues and Challenges Organized by A.N.D. Teachers Training College, Sitapur, (DHE, Government of Uttar Pradesh Sponsored) on 12.01.20

v. Lecture delivered on Book and Article publishing & Springer link platform demonstration in One Day Online Workshop on Guru Nanak Dev University [under PMMMNMTT, a scheme of MHRD] at Department of Education, Guru Nanak Dev University on 29.04.20

vi. Lecture delivered on "Re-Orienting to the Indigenous Education: From KG to PG" in National Webinar on Swami Vivekananda Series of Reflective Discourses for Making India Self-Reliant: Indian Education in Post-COVID Era [under PMMMNMTT, a scheme of MHRD] at Central University of Gujrat, MGCU & Ramsaday College ,West Bengal.) on 25.05.2020

vii. Lecture delivered on Technological Interventions in Educational Practices in International Webinar on Swami Vivekananda Series of Reflective Discourses for Making India Self-Reliant: Indian Education in Post-COVID Era [under PMMMNMTT, a scheme of MHRD] at Central University of Gujrat, MGCU & Ramsaday College, West Bengal on 26.05.2020

viii. Lecture delivered on Teacher Education: Challenges & Prospects in National Webinar on Swami Vivekananda Series of Reflective Discourses for Making India Self- Reliant: Indian Education in Post-COVID Era [under PMMMNMTT, a scheme of MHRD] at Central University of Gujrat, MGCU & Ramsaday College, West Bengal on 27.05.2020

ix. Lecture delivered on Paradigm Shifts in Research Trends" International Webinar on Swami Vivekananda Series of Reflective Discourses for Making India Self-Reliant: Indian Education in Post-COVID Era [under PMMMNMTT, a scheme of MHRD] Central University of Gujrat, MGCU & Ramsaday College, West Bengal on 28.05.20.

x. Lecture delivered on Case Study Research Method in Online Faculty Development Programme as a Resource Person in One Week Faculty Development Programme at West Bengal State University, MGCU & East Calcutta Girl's college, Kolkaata on 12.06.20

13. Students Achievements

Activity	Level	Participants
Kabaddi Competition in Annual Sports Festival of the University	University level 2019-20	24
Basket Ball Competition in Annual Sports Festival of the University	University level 2019-20	06
Football Competition in Annual Sports Festival of the University	University level 2019-20	01

Student Participation and Activities					
Year	**Name of the award/ medal**	**National/ International**	**Sports**	**Cultural/ Other**	**Name of the student**
2019	3rd Prize	University Level	Badminton	University Level Cultural	Ayushi Rawat

I. Faculty Wise Supervision of Ph.D. Degree awarded/submitted and pursuing

Faculty	Awarded	Submitted	Pursuing
Prof. Arbind Kumar Jha		07	
Dr.Harishankar Singh		05	
Dr. Victoria Susan Ijjina		03	
Dr.SangeetaChauhan		02	
Dr. Rajesh Ekka		02	
Dr.Lalima		03	
Dr.Subhash Mishra		03	
Dr.VivekNathTripathi		03	

II. Faculty Wise Supervision of M.Phil. Degree awarded/submitted and pursuing

Faculty	Awarded	Submitted	Pursuing
Prof. Arbind Kumar Jha		01	03
Dr. Harishankar Singh		00	
Dr. Victoria Susan Ijjina		00	
Dr. Sangeeta Chauhan		01	
Dr. Rajesh Ekka		01	
Dr. Lalima		01	
Dr. Subhash Mishra		01	
Dr. Vivek Nath Tripathi		01	

III. Accomplishments of Students

Debate, elocution, Singing competition, Drawing & Painting competition, Plantation, Visit educational institution, Workshops, Sports, Cultural programs, Drama and Art, Craft work workshops, Awareness programs, Old age & Orphanage home visit, Community visits, Gardening & Swachh Bharat Abhiyan, Educational Film Viewing and its review etc.

14. Future Plan

i. Organizing seminars, conferences and workshops

ii. Organizing Research Methodology workshops for research scholars and newly recruited teachers

iii. Seeking Research Projects grant from ICSSR and other National level funding agencies.

iv. Starting Placement and Recruitment cell for B.Ed. students

v. Starting M.Ed. course from 2019-2020

vi. Organizing workshops for school and college level principals for Academic Leadership Training

vii. To start collaboration with different national level bodies like NEUPA, AIU, NCERT and different NGO's working in the field of Education

SCHOOL OF MEDIA AND COMMUNICATION

School of Media and Communication was established as separate school in March, 2018, keeping in view proper growth smooth functioning of Mass Communication and Journalism as also of EMMRC (Media Centre, BBAU, Lucknow). Previously, the Dept. of Mass Comm. and Journalism was running under School of Information Science and Technology.

DEPARTMENT OF MASS COMMUNICATION & JOURNALISM

The Department of Mass Communication & Journalism, started in 2008, offers Master, M.Phil. and Ph.D. programs in Mass Communication & Journalism. The basic objective of the Department is to produce skilled professionals for the exponentially expanding world of mass media, both print as well as electronic. The Department also endeavors to provide advanced and specialized professional training to the students and also caters to the higher level of demands in the profession of Mass Communication, including media & communication research and media & communication education. The Department aims and endeavors to develop into a centre of excellence in the field of Mass Communication & Journalism.

i. Courses Offered/New Courses

i. Ph.D (2015)

ii. M.Phil (2015)

iii. M.A. (JMC) (2015)

2. Details of Faculty

i. Prof. Gopal Singh

Professor & Dean, Head

Qualification: MJMC, Ph.D., UGC NET-JRF

Specialization: Film & TV Journalism, Communication Research

ii. Prof. Govind Ji Pandey

Professor

Qualification: MJ, LLB, Ph.D. UGC NET

Specialization: TV and Film Studies Communication Research & Development Communication

iii. Dr. Mahendra Kr. Padhy

Asst. Professor

Qualification: M.A. (Economics), M. Phil (Economics) MJMC, M.Phil (J & MC), Ph.D (J&MC), JRF, UGC NET. UGC Post Doctoral Research Awardee

Specialization: Advertising, Public Relations, Development Communication, Media Research

iv. Dr. Rachana Gangwar

Asst. Professor

Qualification: Ph.D.

Specialization: Cross cultural Communication, Communication Research, Communication Theories, Folk Communication

v. Kunwar Surendra Bahadur

Asst. Professor

Qualification: MA (Psychology) MJMC, Ph.D, UGC NET

Specialization: Advertising, Public Relations, Development Communication, New Media and Communication Research

vi. Dr. Lok Nath

Asstt. Professor

Qualification: M.A. (Psychology) MJMC, Ph.D (J & MC), UGC NET,

Dr. S.R. Post Doctoral Fellowship UGC

Specialization: Communication theory and research, New media and PR

vii. Dr. Arvind Kumar Singh

Asstt. Professor

Qualification: MJMC, Ph.D., UGC NET-JRF

Specialization: Development communication, Electronic media and new media

3. Co-curricular/Extra-curricular/Conferences event organized by the Department

i. A session on **Portrayal of Development Issaues in Cinema** was organized as part of Uttar Pradesh Science Congress

ii. National Seminar Vilupt Hoti Lok kala " Bachpan Express, Rashtriya Kala Manch, 2019

iii. Film Making Competition "CEMCA"

4. Department Level Academic Activities

A session on Portrayal of Development Issaues in Cinema was organized as part of Uttar Pradesh Science Congress.

5. Academic Details/activities of the Faculty (Award and Recognition)

i. **Dr. Rachana Gangwar:** Dr. Sarvepalli Radha krishanan Education Promotion Award (Global Environment & Social Association) (International Award 2019) Social Environmentalist Award, Blue Plant Society Allahabad U.P. (National Award)

ii. **Dr. M.K. Padhy:** Teaching Research Excellence Award 2020

iii. **Dr. A.K.S:** Babu Vishnu Rao Paradkar

6. Members of Board/Committee

Prof. Gopal Singh

i. DRC member of Doon University, Dehradun.

ii. DRC member of Himanchal Pradesh University, Shimla

iii. DRC member of Veer Bahadur Singh Purvanchal University, Jaunpur

iv. Member of Advisory Committee in Doon University, Dehradun.

v. Member of Board of Studies Veer Bahadur Singh Purvanchal University, Jaunpur

vi. Member of Board of Studies in Khawaja Moinuddin Chishti Urdu Arabi Farsi University, Lucknow

Prof. Govind ji Pandey

i. BPGS member, UPRTOU, Allahabaad

ii. BPGS member, Awadh University, Faizabaad

iii. BPGS Member, DMCJ, Kushabhau Thakre University, Raipur

Dr Rachana Gangwar

Member of Professional/Academic Bodies

i. Executive Council member, Public Relation Society of India, Lucknow, U.P

ii. Member of Nation Communication Association

iii. Life Member of Public Relation Society of India

iv. Life Member of Indian Sociological Society

v. Member of Asian Media Information and Communication Centre

vi. Life Member of National Book Trust of India

vii. Life Member of Indian Social Science Association

7. Research Publications in the Journals notified on UGC website during the year

Prof. Gopal Singh

i. National Webinar

"The Scenario of Responsibilty and Dilemma in Building the Individual and Society beween Tradditional and Social Media–A Dialouge" 11 May 2020

Prof. Govind Ji Pandey

i. Mukt Shabd Journal

"A Case – Based Anaytical Study of the Portryal of Cancer in Indian Hindi Cinema" August 2020

ii. Journal of Composition Theory

"Relevance of Media Interventions in Healthcare Communication" **Impact Factor-5.7 March 2020.**

8. Details of Paper Published/Conference/ Seminar/Workshope and Book chapter

Dr. Rachana Gangwar

i. A study on the Impact of sanitation Program and Its Campaign: With Special Reference to Swachchh Bharat Abhiyan (1-7). 'Global Media Journal'

ii. **सोशल मीडिया पर प्रसारित वायरल संदेशो का समाज पर प्रभावः** एक विश्लेषणात्मक अध्ययन (20-28) 'Radha Kamal Mukharji: Chintan Parampara' (ISSN 0974-0074 Jan-July 2020)

iii. **Construct (Suggestive) Model for Media Education in India :** A Connecting Threads of Media Academia and Media Industry (212-221) 'Media Education (Mediaobrazovanie), 2020 60 (2)' (ISSN 1994-4160 E-ISSN 1994-4195 June 2020)

Dr. Kunwar Surendra Bahadur

i. Event Industry post COVID-19, 16th May 2020, Deptt. of Mass Communication and Journalism, Manav Rachana University, Haryana.

ii. Impact of COVIF-19 on impact of foreign direct investment online quiz competition 2020, May 2020, Tecnia institute of Advance studies, New Delhi.

iii. International conference on "Future of Indian Language (Special reference: Sindhi language) 21st July-2019, Punnerutthan, New Delhi.

iv. International conference on yoga and Health: Awareness and challenges in contemporary society, 8th-9th March 2020, Deptt. of Physical Education GGDC, DLW, Varanasi.

v. Rashtra nirman me shaikshik sansathano ka yogdan: Bhavishyavadi drishtikon, 10th-11th January 2020, BBAU, Lucknow.

vi. Hindi Journalism current issues and Presentation, 30th-31st May 2020, MGKVP, Varanasi.

vii. Life bit by bit @ Corona in Australia, 19th May 2020, Delhi Metropolitan Education, New Delhi.

viii. Exploring and understanding: The role of media during COVID-19, 17th May 2020, Deptt. of Mass Communication and Journalism, VBS Poorvanchal University.

ix. Media ethics during COVID-19: Pandemic, 6th June 2020, UPRTOU.

x. National webinar on "Role of mass media during the Pandemic COVID-19, 7th May 2020, RLAU, Ayodhyay

xi. Communication crisis and role of media during COVID-19, 2nd May 2020, Meri College, New Delhi.

xii. Positive Journalism during crisis, 28th May 2020, The Ameican College, Madurai

xiii. Two days NAtional webinar of Covid infodemic and Media, 10th June 2020, Shivaji University, Kolhapur

xiv. Visual art: skills, communication and management, 27th May 2020, MGKVP, Varanasi.

Dr. Arvind Kumar

i. Role of academics institutions in Social Development.

ii. National Training Workshop Participation

iii. Environment biodiversity and disaster risk management, 2nd-6th March, 2020, Dept of Energy and environment, School of science, BBA University, Lucknow and NIDM

iv. Hindi Journalism; Current Issues and Presentation, 30th-31st May, 2020, Department of Journalism and Mass Communication, Mahatma Gandhi Kashi Vidyapith, Varanasi

v. Exploring and Understanding The Role of Media During Covid-19. 17th May, 2020, VBS Purvanchal University, Jaunpur.

vi. Covid Transtion: Challenge Before Mass Media and Solution, 12th May, 2020, Communication study and research department, Rani Durgavati University, Jabalpur M.P.

vii. Trends in Sustainability: Regenerative Agriculture, 26th-27th June, Department of Botany, Maharana Pratap PG College, Jungle Dhusar College.

viii. Covid-19 and Environment Linkage, 29th June, 2020, Department of Environment Science, BBAU University, Lucknow.

ix. Current Global Scenario and India: Challenges Prospects and Role, 15th-17th May 2020, Bhartiya Shikshan Mandal Kanpur Prant and Shodh Dhara Quarterly research Journal

x. Research Challenges in Computer Science and Technology, 18th-23rd June, 2020, Department of Computer Science and Technology, Mahatma Gandhi Central University Bihar

xi. Teaching Learning through Moodle, 23rd May, 2020, School of Education BBA University Lucknow and Mahatma Gandhi Central University, Motihari

xii. Law Governance & Management to Combat Covid-19 Pandemic: Issues and Challenges, 3rd-10th June, 2020, Mahatma Gandhi Jyotiba Phule University, Rohilkhand , Bareilly , India

xiii. Babu Vishnu Rao Parakar Prize, 31st December, 2020, Uttar Pradesh Hindi Sansthan, Lucknow.

xiv. Sahitya Parikrama Samman, 29th February, 2020, Akhil Bhartiya Ashitya Parishad, Uttar Pradesh.

Chapter in books

i. **Title of chapters** Bhojpuri Cinema: Nai Sambhavnaye evom Ummide in **Book titled** "Bhartiy Lok Kalaye evom Bhojpuri Cinema" **Edited by** Prof Govind Pande, Himadri Publication, New Delhi Accepted, Under publication 2019

ii. **Title of chapters** Lok Kalaye : Nai Sambhavnaye evom Ummide in **Book titled "**Bhartiy Lok Kalaye evom Bhojpuri Cinema" **Edited by** Prof Govind Pande,Himadri Publication, New Delhi Accepted, Under publication 2019

iii. **Title of chapters** Bharat mai Jan Jatiya Samaj in **Book titled "**Adivasi Samaj : Akancchaye evon New Media" **Edited by** Dr. Nagendra Singh, Swarajya Publication, New Delhi Accepted, Under publication 2019

iv. **Title of chapters** Vikas evom Sanchar Siddhant in **Book titled** "Vikas evom JanSanchar Neeti" **Edited by** Prof Gopa Bagchi, Arti Publishing House, New Delhi Accepted, Under publication 2019

9. h-Index of the Institutional Publications during the year. (based on Scopus/Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index
Citation Index of the Department : H- Index - 1 **R.G. Score - 3.45 (II) Global Media Journal ISSN 15507521 (Score - 6)**				
A Study on the Impact of sanitation Program and Its Campaign: With Special Reference to Swachchh Bharat Abhiyan	Pooja Singh Kashia and Rachana Gangwar	Global Media Journal ISSN 1550-7521	Nov 2019	6

10. No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

S. No	Name of Teacher's/ Number of teachers who attended	Title of the professional development programme	Date and Duration (from – to)
1.	Dr. Rachana Gangwar	How to publish research papers in top tier international journal	May 26 – May 30, 2020
2.	Dr. M.K. Padhy	FDP	2019
3.	Dr. Kunwar Surendra Bahadur	Orientation Programme (HRDC, University of Lucknow) FDP (Deptt.of Environment, BBAU-Lucknow) FDP (Kristu Jayanti College, Bangalore North University- Bangalore)	17 june-06July 2019 02-06 March 2020 12 May-16 May 2020
4.	Dr. Loknath	FDP (Deptt .of Environment, BBAU-Lucknow) FDP Orientation Programme ASC University of Lucknow	02-06 March 2020 08- 14 June 2020 17 June to 06 July 2019
5.	Dr. Arvind Kumar Singh	FDP (Deptt. of Environment, BBAU-Lucknow)	02-06 March 2020

11. Details of Students selected for teaching in higher education

N.	Name	Post	Organization/Place
1.	Sadhana Srivastava	Asstt.Professor	UPRTOU-Prayagraj
2.	Ravi Suryavanshi	Asstt.Professor	South Bihar central University
3.	Archana Kumari	Asstt.Professor	Jammu Central University
4.	Sachindra Sekhar	Asstt.Professor	Urdu Arabi Farsi Bhasha University, Lucknow
5.	Archana Kumari	Asstt. Professor	Central University Jammu
6.	Kaushal Tripathi	Asstt. Professor	Bundelkhand University Jhansi

12. Achievements of the students (includes job/placement, NET, JRF, GATE, Awards etc.)

S.No.	Year	NET/JRF/GATE	Awards	Student Placement in Govt. Sector	Private Sector
1.		2019	02	10	

13. Accomplishments of Students

S. No	Name	Semester	Conduct By	Topic	Position
1.	Reena	3rd	PRSI	Public Relation Partnership in peace making	2nd
2.	Diksha Mishra	3rd	NABARD	Energizing UP as a pollution	1st (media group)
3.	Divyanjali Srivastava	1st	PRSI	Inter College Essay Competition	1st
4.	Shreya Awasthi	1st	PRIS	Inter College Essay Competition	2nd
5	Shalini Shrivastava	3rd	Bhartiya Sanskriti Gyan Parichha	_	1st
6	Gunjan Jaiswal	Ph.D. Research Scholar	All India media educators Conference 2016 Jaipur	Reporting on Humaitarian Crisis & the mediation Process: A study of Muzzaffarnagar riots news coverage based on web portals	Best Paper Presentation
7	Kritika Agrawal	Ph.D. Research Scholar	The Indian Social Science Association	'National Young Social Scientist Award'	
8	Neelu Sharma	P.hD Research Scholar	AIU	Poster Competition	1st Prize Regional Competition
9	Neelu Sharma	P.hD Research Scholar	tve	Films for change fellowship	1000 Pound fellowship
10	Devender Kumar Prajapati	3rd	NCRI Hyderabad	Inernship	Fellowship
11	Ashish Kumar	3rd	NCRI Hyderabad	Inernship	Fellowship
12	Harshali Arora	3rd	NCRI Hyderabad	Inernship	Fellowship
13	Vikas Yadav	3rd	CEMCA TVE London	Film	1st
14	Neelu Sharma	P.hD Research Scholar	National Science film festival	Ghari Detergent tool Film for CSR	1st

14. Faculty wise Supervisor of the Ph.D. and M.Phil. Student Research Scholar Supervisor Details

S.No.	Research Scholar Name	Supervisor	Admission Year
1.	Atul Singh	Prof. Gopal Singh	2014
2.	Harinath Kumar	Prof. Govind Ji Pandey	2014
3.	Ankit Dixit	Prof. Govind Ji Pandey	2014
4.	Shachindra Shekhar Shakunt	Prof. Govind Ji Pandey	2014
5.	Anurag Pandey	Prof. Govind Ji Pandey	2014
6.	Gunjan Jaiswal	Dr. M.K. Padhy	2014
7.	Ravi Singh	Dr. M.K.Padhy	2014
8.	Rashmi Kumari	Prof. Gopal Singh	2015
9.	Kritika Agarwal	Prof. Gopal Singh	2015
10.	Neelu Sharma	Prof. Govind Ji Pandey	2015
11.	Borugadda Ananda Babu	Dr. M.K. Padhy	2015
12.	Ruchika Kumari	Dr. Rachana Gangwar	2015
13.	Pratima	Prof. Govind Ji Pandey	2016
14.	Chandra Mohan Meena	Prof. Gopal Singh	2016
15.	Nihal Pathak	Prof. Gopal Singh	2016
16.	Brijendra Kumar Verma	Dr. M.K. Padhy	2016
17.	Alok Kumar Jha	Dr. Rachana Gangwar	2016
18.	Nancy Arora	Prof. Govind Ji Pandey	2017
19.	Arvind Kumar	Prof. Govind Ji Pandey	2017
20.	Imon Shyam	Prof. Gopal Singh	2017
21.	Shraddha Nandan	Prof. Gopal Singh	2017
22.	Pooja singh Kashia	Rachana Gangwar	2017
23.	Panyathip	Prof . Govind Ji Pandey	2018
24.	Shalini Srivastava	Prof. Gopal Singh	2019
25.	Pooja Arya	Prof. Gopal Singh	2019
26	Priyanka Singh	Prof. Govind Ji Pandey	2019
27	Harsh Vradhan Dubey	Prof Govind Ji Pandey	2019
28	Ankit Srivastava	Dr. M.K.Padhy	2019
29	Vinit Vishal	Dr. M.K. Padhy	2019
30	Kuldeep Kumar	Dr. Rachana Gangwar	2019

15. M.Phil. Students Supervisor Details

S.No.	Students Name	Supervisor Name	Admission Year
01	Shalini Srivastava	Prof.Gopal Singh	2017
02	Swapan Kumar Roy	Prof. Gopal Singh	2017
03	Nafisa Khatoon	Prof. Govind Ji Pandey	2017
04	Pooja Arya	Dr. M.K.Padhy	2018
05	Princi Mishra	Dr. Kunwar Surendra Bahadur	2018
06	Jyotsana Sinha	Dr. Loknath	2018
07	Sahab Kumar	Dr.Arvind Kumar Singh	2019
08	Asutosh Kumar Rai	Prof. Govind Ji Pandey	2019

SCHOOL OF AGRICULTURAL SCIENCES AND TECHNOLOGY

Agriculture played a vital role being sources of livelihood, contribution to national revenue, supply of food as well as fodder, significance to the international trade, marketable surplus, source of raw material, significance in transport, foreign exchange resources, great employment opportunities, economic development, source of saving, food security etc. Despite tremendous progress made by India in the field of industry and services, agriculture continues to play a pivotal role in India's 2 trillion economies. Nearly 58 per cent of Indian house hold depends on farming. Agriculture, remain a key contributor to India's economic development not only by its share of the Gross Domestic Product (GDP) but also as a drive for industrial growth by producing critical raw material and by funneling, saving and consumption behavior on which the sales of many industrial products depend.

Agriculture as a concept has grown as well. A decade or two back, it was associated solely with the production of basic crops (cereals, millets, pulses, oil crops, fiber crops, sugarcane, cottons and potato). Modern agriculture includes forestry, bee keeping, mushroom production, poultry, dairy, fishery and Hi-tech horticulture production including Plantation and Medicinal & Aromatic Plants.

Due to limited natural resources *viz.* shrinking of cultivable land area, depletion in water level, poor's soil health and heavy demography pressure, a vast majority of poor, uneducated and underutilized human resources, our cities are becoming increasingly un-sustainable. Peri-urban cultivation of Horticultural crops is one of the solutions to convert urban poor to being employed while at the same time improving the built environment. Keeping in view, the importance of agriculture in general and horticulture in particular university opened new school known as School of Agricultural Sciences and Technology (SAST), which came into being in academic session 2017-18.

1. Department of Horticulture previously known as Department of Applied Plant Science (Horticulture) presently existing one.
2. Department of Genetics and Plant Breeding (Proposed one)

1. Number of faculty in each Department: 07

2. Special Highlight of the Schools

In the beginning, university started offering a one year (two-semester) PG Diploma in Horticulture i.e. 'Seed and Nursery Production' under the Centre for Rural Technology (CRT) from academic session 1997-98 which was continued up to session 2000-01. Further, the course was upgraded to Master Degree Programme in Horticulture w.e.f. academic 2001-02 after creation of Department of Applied Plant Science (Horticulture) under the School for Bio-sciences and Bio-technology. Later on the department started Ph.D. programme in Horticulture from academic session 2003-04. Since then concerted efforts are being made to conduct research on various horticultural crops i.e. Fruit Science (Pomology), Vegetable Science (Olericulture) and Flower Production (Floriculture) including medicinal & aromatic plants, spices & condiments and ornamental aquatic plants in order to improve their production & productivity, protection and utilization.

For conducting experiments (Research trials), the department has two Horticultural Research Farms and a state-of-the art Laboratory and Green House Structures of various types' viz., fiber glasshouse, poly house, shade net house and wire net house. Besides this, Department organizes regular presentation of the students inform of seminars on a weekly basis, especially for the final year (IVth semester) students, in order to enhance their orientation/ communication skills and to create general awareness amongst them on different aspects of Horticulture. The department also encourages to students for attending/participating in the seminar, conference, workshop, exhibition, farmers' fair etc. on Horticultural crops. In addition to this, every year students of the department are allowed to attend the 'Flower Show' as organized by NBRI, Directorate of Horticulture U.P. Government at Raj Bhawan; Fruit Nursery Visit to Progeny Orchard, Malihabad, Farmers' Fair at CIMAP, IISR and Mango Show/Showcasing of Agricultural Technologies/innovation through exhibition CISH, Lucknow.

DEPARTMENT OF HORTICULTURE

The Department offers M.Sc. (Ag.) and Ph.D. Programmes in Horticulture. Initially, there was a one year (two semester) PG Diploma course in Horticulture known as PG Diploma in 'Seed and Nursery Production' under the Centre for Rural Technology (CRT) that was started in the Academic Session 1997 and continued up to the academic session 2000-2001. The course was upgraded to Master Degree Programme in Horticulture from the academic session 2001-2002 after creation of Department of Applied Plant Science (Horticulture) under the School of Bio Sciences and Biotechnology. Since then concerted efforts have been made to conduct research on all aspects of Horticultural crops viz., Fruits, Vegetable, Ornamentals, Medicinal & Aromatic crops and Aquatic plants in order to improve their productivity and quality. Recently, School of Agricultural Science and Technology (SAST) came in brief under which Department of Horticulture is existing. Another course i.e. B. Voc. (Floriculture and Landscape Gardening) is also running under the aegis of the Department of Horticulture.

About the B. Voc. (Floriculture and Landscape Gardening)

To develop skill and employability among youth, short term and long certificate courses, diploma courses and various vocational courses have also been emphasized by government of India at various platforms. The basic aim of these courses is to increase self-sufficiency and self-dependence of younger generation, motivating them for entrepreneurship.

B. Voc. (Floriculture and Landscape Gardening) targets the floriculture and nursery industry, besides the various opportunities for landscaping in hotels, land developers and government gardens and aims to prepare a person for handling various job opportunities in public and private sector as well as help for entrepreneurship development. The department has also started 3 years B. Voc Course (Bachelor of Vocational Course) in Floriculture and Landscape Gardening from 2014.

1. Course Offered

i. Ph.D. Horticulture

ii. M.Sc. (Ag.) Horticulture

iii. B.Voc. (Floriculture and Landscape Gardening)

2. Facilities available in the department

i. Teaching facilities (Classrooms)

- Well-equipped classrooms for Masters as well as Ph.D. programmes are available
- Well-equipped smart classroom available in the department.
- Use of modern teaching aids by faculty

ii. Horticulture PG/Research Laboratories Basic Laboratory equipment's available

- Digital Hand Refractometer
- Digital Vernier Callipers
- Centrifuge
- Rotary Evaporator
- Spectrophotometer
- Laminar Air flow

In the pipeline:

- Electrophoresis unit
- Portable Digital Leaf Area meter
- Power Tiller

iii. Horticulture Research Farm

- Fruit Germplasm Block
- Various Protected/Greenhouse Structures
- Micro-irrigation systems like
- Micro-sprinkler
- Fogger
- Drip irrigation
- Trainers' Training Centre (TTC) for Training, Demonstration and Extension etc.
- Equipments like mechanized Brush Cutter, Duster cum sprayer and Pole Pruner

3. Details of Faculty

i. Dr. Sanjay Kumar

Professor & Head

M.Sc.(Ag.), Ph.D. Horticulture NET-ICAR

Teaching and Research Experience: 21 Years

Field of specialization: Vegetable Science in Horticulture under Agricultural Sciences.

Area of work and field of interest in Horticulture: All branches of Horticulture (Olericulture, Pomology, Floriculture & Landscaping including Medicinal & Aromatic Plants, spices and condiments) especially Olericulture

ii. Dr. R. B. Ram

Professor

M.Sc. (Ag.),

Ph.D. (Hort.), B.H.U

Teaching and Research Experience: 35 Years

Field of Specialization: Fruit Science (Pomology) in Horticulture under Agriculture Sciences.

Major Area of Research and field of interest: The major areas of research *Inter alia* include: Crop Improvement, Crop Production, Crop Protection and Crop Utilization.

Expertise has been acquired in Various branches of Horticulture viz. Fruit Science, Vegetable Science and Floriculture and Landscaping gardening in addition to Medicinal and Aromatic plants, species and condiments, plantation crop etc. through teaching, research, extension and training programmes.

iii. Dr. Deepa H. Dwivedi

Professor

M.Sc.(Ag.), Ph. D. (Hort.)

Research (R & D and Extension) and teaching experience- 20 years Approx.

Field of specialization- Fruit Science (Pomology)

Area of work and field of interest in horticulture:

All branches of horticulture (Pomology, Floriculture & Landscaping and Olericulture including medicinal Aromatic Plants), especially fruit science and Floriculture.

iv. Dr. M. L. Meena

Assistant Professor

Ph.D.(Ag.) Horticulture (Vegetable Science) **NET**-ICAR

Teaching and Research Experience: 17 Years

Field of specialization-Vegetable Breeding in Horticulture under Agricultural Sciences

Area of work and field of interest in Horticulture: All branches of Horticulture (Olericulture), Pomology, Floriculture & Landscaping including Medicinal & Aromatic Plants, Spices and Condiments especially Olericulture.

v. Dr. Sutanu Maji

Assistant Professor

M.Sc.(Hort.), Ph. D. (Hort.) in Fruits & Orchard Management NET-ICAR

Teaching Experience: 7 Years 10th Months at PG & Ph. D Level

Research Experience: 11 Years

Field of specialization: Fruit Science (Horticulture)

Area of work and field of interest: Organic nutrition, NRM, Waste management, Crop Regulation, Bio-control, Drying and dehydration, Horticultural research on Dragon fruit

vi. Dr. Ravi Shankar Verma

Assistant Professor

M.Sc. (Ag.), Ph.D. (Hort.), NET-ICAR

Teaching and Research Experience: 05 Years

Field of Specialization: Fruit Science (Pomology)

Major Area of Research and field of interest: All branches of Horticulture especially Orchard Management, Protected cultivation, Integrated Nutrient Management, Nursery Management, Propagation Technology, HDP, PHT, Intercropping, Crop Regulation, Horticultural Research.

vii. Dr. Rubee Lata

Assistant Professor

M.Sc. (Ag.), Ph.D. (Hort.), NET-ICAR

Teaching and Research Experience: 6.5 years (including Ph .D.)

Field of Specialization: Production technology of Fruit crops and ornamentals crops

4. Details of Seminar/Conference organized by the department

National Seminar on the Occasion of National Unity Day on 'Horticulture: A Boon for Indian Economy' organized by Department of Horticulture held at Babasaheb Bhimrao Ambedkar University, Lucknow on 31st October, 2019.

5. Co-curricular/Extra-curricular/sports Activity by the department

i. MoUs with various esteemed Institutes namely ICAR-CISH & IISR, Lucknow, IIPR, Kanpur and IIVR, Varanasi and CSIR-CIMAP, NBRI Lucknow etc.

ii. Introduction, Evaluation and Maintenance the Germplasm of Fruit Crops

iii. Introduction, Evaluation and Maintenance of Ornamental Aquatic Plants namely Lotus, Water lily, Water chestnut etc.

iv. Hi-tech Horticulture i.e. Green House Technology/ Protected Cultivation (Net House, Shade House, Poly House and Fiber Glass House, Micro Irrigation, High Density Planting etc.)

v. Development of Botanical Garden (20 acres)

vi. Biodiversity Conservation Park cum Natural Lake, (10 acres)

vii. Development of Greenery through plantation program in BBAU campus

6. Visitors of Department from inside the country

i. **Dr. A. K. Singh,** Professor & Ex-Head, Deptt. of Horticulture, Institute of Agricultural Sciences, B.H.U. Varanasi (U.P.) on Potential Areas in Floriculture at 4.00-5.00 PM on 23.01.2020.

ii. **Dr. S. S. Gaurav,** Professor &Head, Dept. of Genetics & Plant Breeding, Ch. Charan Singh University, Meerut (U.P.) on ntellectual Property Rights: An Overview during 11.00-12.00 on 22.01.2020

iii. **Dr. Pradeep Kumar,** Senior Scientist, Central Arid Zone Research Institute, Jodhpur on Vegetable Grafting: Issues, Strategies and Prospects for Sustainable Vegetable Production during 01.00 PM at 10-12-2019.

7. Members/fellowship of professional/academic bodies/editorial board

i. Prof. Sanjay Kumar

a. Chairperson, Departmental Research Committee, BBAU, Lucknow

b. Chairperson, Board of Post-Graduate Studies, BBAU, Lucknow

c. Chairperson, Admission Committee, B.B.A. University, Lucknow

d. Member, Academic Council, B.B.A. University, Lucknow

e. Member, School Board, S.B. & B.T., B.B.A. University, Lucknow

f. Subject Matter Specialist of Affiliation Committee of Various Universities

g. Coordinator(s), One-Day Lecture Series Seminar in Department of Horticulture

h. Working as Head, Department of Horticulture w.e.f. 09.03.2019 to till date

i. Member Board of Studies of V.B.S. Purvanchal University, Jaunpur

j. Judge of Pradeshik Shak-Bhaji Evam Puspa Pradarshini, Raj Bhawan, Lucknow

Professional Membership

i. Progressive Horticulture, Hill Horticulture Development Society, Chaubatia, Almora

ii. Vegetable Science, Indian Institute of Vegetable Research, Varanasi

iii. Indian Journal of Horticulture, Indian Agricultural Research Institute, New Delhi

n. Journal of Ornamental Horticulture, Indian Agricultural Research Institute, New Delhi

o. Progressive Agriculture, S.V.B. Patel University of Agri. & Tech., Meerut

p. Flora and Fauna, B.B.P.G. College (Bundelkhand University), Jhansi

q. Hort Flora Research Spectrum, Meerut

r. Progressive Research, Society for Scientific Development in Agriculture &Technology, Meerut

ii. Prof. R. B. Ram

a. The Horticultural Society of India, New Delhi, India

b. The Indian Society of Vegetable Science, Indian Institute of Vegetable Research, Jakhini Shahanshpur, Varanasi.

c. The Indian Society of Ornamental Horticulture, New Delhi

d. The Horticultural Society of Haryana, India

e. The Society for Advancement of Horticulture, Nadia, West Bengal.

f. The Indian Science of Congress Association, Kolkata.

g. The Indian Society of Horticultural Research & Development, Uttrakhand

h. The U.P. Academy of Agricultural Science, UPCAR, Lucknow

iii. Dr. Sutanu Maji

a. Editorial member-Journal of Crop and Weed

b. Life member-International Society for Minor Fruits, Medicinal and Aromatic Plants, Sri Lanka

iv. Dr. Ravi Shankar Verma

a. Life member of Global Environment and Social Association (GESA), New Delhi, India

b. Life member of Asian Biological Research Foundation (ABRF), Prayagraj, India since December, 2019.

v. Dr. Rubee Lata

Life member of Asian Biological Research Foundation (MABRF), Prayagraj, India since December, 2019.

8. Details of Book written/edited by faculty members

i. Dr. Sutanu Maji

Authored Book:

i. **Dragon Fruit:** The Super Fruit

Edited Book:

Proceedings of National Conference on Research Development in Fisheries (NCRDF 2019)

9. Details of Book Chapter in edited volume:

Dr. Sutanu Maji

Citrus. In: Fruit Crop Production. Edited by Vijay Bhadhur, D. B. Singh, K K Mishra. AGRO India publications, Allahabad.

10. Paper published during the year by the faculty members

Prof. Sanjay Kumar

i. D. C. Meena, M. L. Meena and **Sanjay Kumar** (2019). Influence of organic manures and biofertilizers on growth, yield and quality of Okra (*Abelmoshchus esculentus* L. Moench). Annals of Plant and Soil Research 21(2): 130-134.

ii. Ram Vilas, **Sanjay Kum**ar and M. L. Meena (2019). Impact of Gibberelic acid and Cycocel on flower yield and quality attributes of African Marigold (*Tagetas erecta* L.). Advances in Plant sciences 32(II): 79-81.

iii. Aman Shankar, **Sanjay Kumar**, Rajeev Kumar and Pradeep Kumar (2019). Efficacy of organic manures and bio-fertilizers on growth, yield and quality of broccoli *(Brassica oleracea* L.var. *italica* Plenck). Plant Archives19(2): 2608-2612.

iv. Mukesh Kumar, **Sanjay Kumar** Rakesh Kumar Meena, Manoj Kumar Jangid and Vinay Kumar Singh (2019). Efficacy of Bio-fertilizers and in combination with chemical fertilizers on growth of okra (*Abelmoschus esculentus* L.). Int. J. Pure App. Biosci. 7 (5): 482-486.

v. Rakesh Kumar Meena and **Sanjay Kumar**, M. L. Meena and Adesh Kumar (2020). Combining ability for yield and quality related traits in Tomato (*Solanum lycopersicum* L.). International Journal

of Current Microbiology and Applied Sciences 9 (5): 2931-2935.

Prof. R. B. Ram

i. Kant L., **Ram, R. B**, Harendra, Lal M., and Gautam, S. K. (2020). Effect of boron and zinc on fruit yield and quality of pomegranate (Punica granatum L.) cv. Bhagwa. International Journal of Chemical Studies 8(2): 2940-2945.

ii. Verma N.K., **Ram R.B.,** Damodaran T., Panday M., Mishra V.K. (2020). Integrated impact of FYM, MSWC and Mulching with Bio-inoculant (PSB) on flowering, yield and quality parameters of strawberry CV. Chandler grown on partially reclaimed alkali soil under Lucknow condition. Global Journal of Bio-Science and Biotechnology-(GJBB). 9(3): 90-93.

iii. Verma N.K., **Ram R.B.,** Damodaran T., Lata R., Verma R.S. (2020). Evaluation of organic source of nutrients, microbial inoculant coupled with mulching on growth parameters of strawberry CV. Chandler grown on partially reclaimed alkali soil of central Uttar Pradesh. International journal of Advanced Biological Research.10(3): 181-184.

iv. Verma N.K., **Ram R.B.,** Verma R.S., Lata R. (2020). Effect of integrated nutrient management on physic-chemical attributes and B:C ratio of strawberry (*Fragaria x ananassa* Duch.) Annals of plant and soil research. 22(3): 301-304.

v. Yadav. A, **Ram R. B**., Lata Rubee and Yadav. G. C. (2020). Effect of INM on growth, bulb yield and quality of onion (Allium cepa L.) cv. Agrifound Dark Red. International Journal of Chemical Studies. 8(1): 2514-2516

vi. Kumar, S., **Ram R. B.,** Verma R. S., Bairwa P. K, and Meena K. (2019). Studies on physical parameters of guava (Psidium guajava L.) Genotypes under Lucknow condition. Journal of pharmaceognosy and Phytochemistry 8(5): 486-488.

vii. Kumar D.; Priyanka; Shukla V.; Kumar S.; **Ram R. B.;** Kumar N. (2019). Metal pollution index and daily dietary intake of metals through consumption of vegetables. International Journal of Environmental Science and Technology. 17(6): 3271-3278.

viii. Verma R.S., Lata R., **Ram R.B.,** Verma S.S., prakash S. (2019). effect of organic and bio-fertilizers on vegetative characters of dragon fruit (*hylocereus undatus* l.) plant. the pharma innovation journal.; vol no. 8(6): Page no.726-728

ix. Verma R.S., Lata R., **Ram R.B.,** Praksah S., Kumar V., Verma S.S., Pal H., Singh R. (2019). Evaluation of physic-chemical attributes of different genotypes of jamun (*Syzygium cumini L. Skeels.*) fruits. Journal of Pharmacognosy and Phytochemistry. Vol no. 8(5) Page no. 480-482.

Prof. Deepa H. Dwivedi

i. S Maji, **DH Dwivedi**, N Singh, S Kishor, M Gond (2020). Agricultural Waste: Its Impact on Environment and Management Approaches. Emerging Eco-friendly Green Technologies for Wastewater Treatment, 329-351

ii. N Singh, S Singh, P Maurya, M Arya, F Khan, **DH Dwivedi**, SA Saraf (2019). An updated review on Physalis peruviana fruit: Cultivational, nutraceutical and pharmaceutical aspects. Indian Journal of Natural Products and Resources (IJNPR).

iii. N Singh, **DH Dwivedi**, S Kishor (2019). Cape gooseberry (*Physalis peruviana* L.) as a functional food: Phytometabolite profiling in fruit pomace. Progressive Horticulture 51 (1), 58-61

iv. A Bajpay, **DH Dwivedi** (2019). Gamma ray induced foliage variegation and anatomical aberrations in Chrysanthemum (Dendranthema grandiflora T.) cv. Maghi. Journal of Pharmacognosy and Phytochemistry 8 (4), 871-874.

v. S Kishor, **DH Dwivedi**, N Singh, S Maji, Mk Sharma (2019). Analysis of intra-varietal variability in mango (*Mangifera indica* L.) cv. Dashehari. Annals of Plant and Soil Research 21 (2), 193-199

Dr. M. L. Meena

i. D. C. Meena, **M. L. Meena** and Sanjay Kumar (2019). Influence of organic manures and biofertilizers on growth, yield and quality of Okra (Abelmoshchus esculentus L. Moench). Annals of Plant and Soil Research 21(2): 130-134.

ii. Ram Vilas, Sanjay Kumar and **M. L. Meena** (2019). Impact of Gibberelic acid and Cycocel on flower yield and quality attributes of African

Marigold (*Tagetas erecta* L.). Advances in Plant sciences 32(II): 79-81.

iii. Ruchika Abha, ML Meena, Rajmani Singh and Rupesh Kumar Mandal (2019). Effect of various organic manures on growth and yield of okra. *Journal of Pharmacognosy and Phytochemistry* 8(6):1203-1205.

iv. Vikash Kumar Sonkar, ML Meena, Rajmani Singh, BC Shivran and DC Meena (2019). Effect of post harvest treatment on physicochemical properties and quality of guava. *Journal of Pharmacognosy and Phytochemistry* 8(4):1535-1538.

v. F. R. Meena* , M. L. Meena, Rajmani Singh, Ram Vilas, Manohar Lal Meena, Sandeep K. Mauriya and Lalit Kumar (2019). Effect of various organic manures and biofertilizers on growth, yield and quality of garlic. *Int. J. Pure App. Biosci*. 7(5): 405-409.

vi. Rajmani Singh, ML Meena, Sudhansu Verma, Ram Vilas, Vivek Saurabh, Sandeep K Mauriya, Ravinsh Maurya and Mohit Kumar (2019). A review of performance of gibberelic acid on African Marigold (*Tagetas erecta* L.). *Journal of Pharmacognosy and Phytochemistry* 8(5):43-46.

vii. Vijay Vikram Singh1, Sandeep K. Mauriya2*, Sumit Pal3 R. B. Ram1 and Shiv Poojan Yadav (2020). Impact of bio-fertilizer on growth, yield and quality of onion (allium cepal.) cv. pusa red. Plant Archives Vol. 19 No. 1, 2019 pp. 772-776.

viii. M.L. Meena*, Suresh Yadav, Sanjay Kumar, Rajmani Singh, Ruchika Abha and Rupesh Kumar Mandel (2019). Genetic variability, heritability and genetic advances in Garlic. *Bio Sci. Biotech. Res. Comm.* 13(1): 335-339

ix. Rakesh Kumar Meena and Sanjay Kumar, **M.L. Meena** and Adesh Kumar (2020). Combining ability for yield and quality related traits in Tomato (*Solanum lycopersicum* L.). International Journal of Current Microbiology and Applied Sciences 9 (5): 2931-2935.

Dr. Sutanu Maji

i. Sachin Kishor, Deepa H. Dwivedi, Namrta Singh, **Sutanu Maji** and Manoj Kumar Sharma (2019). Analysis of intra-varietal variability in mango (*Magnifera indica* L.) Cv. Dashehari. Annals of Plant and Soil Research. 21 (2): 193-199.

ii. S. Kishor, d.h. Dwivedi, **S. Maji**, n. Singh and m. Gond (2019). Clonal variability in mango (mangifera indica l.) Orchards cv. Dashehari. 46 (2): 311-315.

iii. Munni gond, deepa h. Dwivedi and **Sutanu Maji** (2018). Flowering and fruiting in cape gooseberry (physalis peruviana l.) As influenced by organic manures and spacing. International journal of minor fruits, medicinal and aromatic plants. 4(2): 07-12. **(Published in 2019)**

iv. **S. Maji**, R. Yadav, D.H. Dwivedi, M. Ali and M. Prasad (2018). Use of edible coating to enhance shelf life of tomato (*lycopersicon esculentum* l.). Indian journal of ecology 45(4): 888-891. **(Published in 2019)**

v. R. Rawat and **S. Maji** (2018). Efficiency of bio-organic nutrition on vegetative growth, yield and quality of broccoli (*brassica oleracea* l. Var. *Italica* plenck). Journal of crop and weed 14(2): 72-76. **(Published in 2019)**

vi. Prasenjit Kundu, Fatik Kumar Bauri and **Sutanu Maji** 2018 morphological study of genetic variability of banana genotypes for Crop Improvement. Indian Journal of Ecology 45(3): 615-622. **(Published in 2019)**

Dr. Ravi Shankar Verma

i. Pradeep kumar Bairwa, **RS Verma**, Harvinder Pal, Som Prakash and Shivendra Kumar **(2020)** Studies on Chemical Character of different cultivars of anola *(Emblica Officinalis Gaertn*.) in awadh region. International journal of chemical studies. vol no. 8(1): Page no 2950-2952.

ii. Akash Shukla, **RS Verma**, Som Prakash, Dharmpal Singh and Rajesh Kumar (2019). Effect of foliar application of nutrients and plant growth regulators quality parameters of guava (*Psidiumguajava*) cv. Lalit International journal of Current Microbiology and Applied Sciences, Vol. no. 8(5) Page.no. 956-959

iii. Viplaw Kumar, R B Ram, **RS Verma**, Ajay Yadav and Nanhelal Saroj (2019) Effect of foliar application of micronutrients and plant growth regulators on yield and physical characteristics of guava (*Psidium guajava*) cv. Allahabad safeda Journal of Pharmacognosy and Phytochemistry. Vol no. 8(1) Page no. 2715-2716.

iv. Dharmraj Meena, RB Ram, **RS Verma** and Bhag Chand Shivran (2019). Effect of phosphorouslevels and bio-fertilizers on yield and quality parameters of garlic (*Allium sativum* L.) Cv. G-282 The Pharma Innovation Journal 2019; vol no. 8 (6): Page no.681-683.

v. Rajesh Kumar, **RS Verma**, SS Verma, Dharmpal Singh, Akash Shukla and Som Prakash (2019). Evaluation of different genotypes on physical parameters of okra [*Abelmoschus esculentus* (L.) Moench.] under Lucknow region The Pharma Innovation Journal; Vol no. 8(6) Page no.723-725.

vi. **RS Verma**, Rubee Lata, RB Ram, SS Verma and Som Prakash (2019). Effect of organic, inorganic and bio-fertilizers on vegetative characters of dragon fruit (*Hylocereusundatus* L.) plant The Pharma Innovation Journal.; vol no. 8(6):Page no.726-728

vii. Dharmpal Singh, Sanjay Kumar, **RS Verma**, Akash Shukla and Rajesh Kumar (2019). Effect of Organic Manure and Bio-Fertilizers on Growth and Yield Parameters of Strawberry (*Fragaria x ananassa* Duch.) cv. Chandler International Journal of Current Microbiology and Applied Sciences (2019) vol no. 8(5): Page no.960-964

viii. Shree Kant Maurya, **RS Verma**, Harvindra Pal, Samiksha, Som Prakash, Viplaw Kumar and Bhag Chand ShivranEffect of spacing and varieties on growth attributes of rabi onion (*Allium cepa* L.) The Pharma Innovation Journal. vol no. 8(8):Page no.21-23.

ix. Shree Kant Muarya, **RS Verma**, Samiksha, Kamlesh Meena Razauddin (2019). Effect of spacing and varieties on yield attributes of rabi onion (*Allium cepa* L.) Journal of Pharmacognosy and Phytochemistry. Vol no. 8(4): Page no. 2553-2555.

x. Samiksha, **RS Verma**, SK Verma, Shree Kant Maurya and Vivek Kumar Patel (2019).Studies on genetic variability in okra [*Abelmoschusesculents* (L.) Moench]. The Pharma Innovation Journal. vol no. 8(8): Page no.311-314.

xi. Nanhe Lal Saroj, **RS Verma**, Som Prakash, Viplaw Kumar and Vimal Kumar (2019) Studies on the effect of foliar spray of micronutrients and plant growth regulators on chemical parameters of guava (*Psidium guajava*) cv. Allahabad safeda. International journal of chemical studies. vol no. 7(3) page no. 1102-1103.

xii. Salahuddin, **RS Verma**, Khushboo Singh, Ravi Kumar Singh and Shiv Sagar Singh(2019)Effect of different phosphorus levels and bio-fertilizers on yield and quality parameters of garlic (*Allium Sativum*) cv. G-1 International journal of chemical studies. vol no. 7(2) page no. 1104-1106.

xiii. **Dr. RS Verma**, Rubee Lata, RB Ram, Som Prakash,Viplaw Kumar, SS Verma, Harvinder Pal and Rajmani Singh (2019) Effect of physic-chemical attributes of different genotypes of jamun (*Syzygiumcumini* L. Skeels.) fruits Journal of Pharmacognosy and Phytochemistry.Vol no. 8(5) Page no. 480-482.

xiv. Shivendrakumar, R B Ram, **R S Verma**, Pradeep kumar Bairwa and Kamlesh Meena (2019) Studies on physical parameters of guava (*Psidium guajava* L.) genotypes under Lucknow condition. Journal of Pharmacognosy and Phytochemistry. Vol no. 8(5) Page no. 486-488.

xv. Shree Kant Muarya, **RS Verma**,Som Prakash, SS Verma and Razauddin (2019). Effect of spacing and varieties on quality parameters of rabi onion (*Allium cepa* L.) Indian Journal of Pure & Applied Biosciences Vol no. 7(5) Page no. 511-513.

xvi. Pradeep Kumar Bairwa, **RS Verma**, Harvinder Pal, Som Prakash and Shivendra Kumar (2020) Studies on Chemical Character of different cultivars of anola *(Emblica Officinalis Gaertn.*) in awadh region. International journal of chemical studies. vol no.8 (1): Page no 2950-2952.

Dr. Rubee Lata

i. A Yadav, RB Ram, **R Lata**, GC Yadav (2020). Effect of INM on growth, bulb yield and quality of onion (*Allium cepa* L.) cv. Agrifound Dark Red., IJCS 8 (1), 2514-2516.

ii. Verma R.S., Lata R., **Ram R.B.,** Verma S.S., Prakash S. (2019). Effect of organic and bio-fertilizers on vegetative characters of dragon fruit (*Hylocereus undatus* L.) plant. The Pharma Innovation Journal.; vol no. 8(6): Page no.726-728

iii. Verma R.S., Lata R., **Ram R.B.,** Praksah S., Kumar V., Verma S.S., Pal H., Singh R. (2019).

Evaluation of physic-chemical attributes of different genotypes of jamun (*Syzygium cumini L. Skeels.*) fruits. Journal of Pharmacognosy and Phytochemistry.Vol no. 8(5) Page no. 480-482.

11. Attended/Participated in conference/ seminar/ workshop inside country

Prof. R. B. Ram

i. International Seminar on Modern Agriculture Approaches in 21st century organized by Samgra vikas welfare society (SVWS) held on November, 22-23

ii. Two-day International seminar by Alumni Association, BBAU, Lucknow held on January, 10-11, 2020.

Dr. M. L. Meena

i. International library and information professionals summit organized by BBAU, Lucknow in 2019.

ii. Participated and presented paper on the Topic 'Effect of Integrated Nutrient Management on Performance of Dragon fruit (*Hylocereusundatus* L.)' in National Seminar on the Occasion of National Unity Day on 'Horticulture: A Boon for Indian Economy' organized by Deptt of Horticulture held at Babasaheb Bhimrao Ambedkar University, Lucknow on 31st October, 2019.

iii. Attended the five Days Training programme on "Environment biodiversity and Disaster Risk Management" March, 02nd – March 06th, 2020 conducted by BBA University Lucknow

Dr. Sutanu Maji

i. International seminar on "agriskills for convergence in research industry & livelihood (acril)" organized by crop and weed science society (cwss), held at bckv during 28th November – 1st December 2019

ii. Progressive horticulture conclave 2019 organized by indian society of horticulture research and development and cish, lucknow, held at ICAR-IISR, lucknow during 8th-10th December 2019.

iii. 2nd national Conference on Technological and Emerging Aspects in Agriculture and Community Science organized by Society for World Environment, Food and Technology. Held at International Buddhist Research Institute, Lucknow during 7th-8th February 2020

Dr. Ravi Shankar Verma

i. Participated and presented paper on the Topic 'Biodiversity in fruit crops in International Global Conference on Our Biodiversity, Our Food & Our Health organized by Blue Planet Society Prayagraj, Global Environment and Social Association (GESA), New Delhi, Botanical Survey of India, CRC, Prayagraj Deptt. of Zoology Govt. PG College, Saidabad Prayagraj, U.P. and IASR Kolkata W.B., Indiafrom 21st-22nd May, 2019.

ii. Participated in National seminar in Prioritiesand strategies to boost farmers income held at IISR, Lucknow on14th June 2019.

iii. Participated and presented paper on the Topic 'Effect of Integrated Nutrient Management on Performance of Dragon fruit (*Hylocereusundatus* L.)' in National Seminar on the Occasion of National Unity Day on 'Horticulture: A Boon for Indian Economy' organized by Deptt of Horticulture held at Babasaheb Bhimrao Ambedkar University, Lucknow on 31st October, 2019.

iv. Participated in National Conference on Research Development in Fisheries held on Nov 7th– 8th, 2019 organized by Department of Zoology, BBAU Lucknow.

v. Participated and presented paper on the Topic 'Food and Nutritional Security through Horticulture' 1st International Conference on Environment and Society (ICES 2019) organized by Global Environment and Social Association (GESA), New Delhi, DG PG College, Kanpur, U.P. and Asian Biological Research Foundation (ABRF), India.

vi. Participated in 'Puratan Chhatra Samagam Samarohevam do diwasiya rashtriya Sangosthi' on 'Rashtra Nirman main SaishikSansthano ka Yogdan: Bhavishwavadi Dristhtikod' held on 10th-11th January, 2020 organized by Babasaheb Bhimrao Ambedkar University, Lucknow.

vii. Participated in Two Days Yoga Workshop on Self-Management on Excessive Tension/Stress Organized on 17th-18th August, 2019 by BBAU

Lucknow and In Collaboration with S-VYASA, Bengaluru.

viii. Completed one day workshop on 'Roof Top Gardening of Horticultural Crops' organized on 26th September, 2019 by ICAR-Central Institute for Subtropical Horticulture, Lucknow.

ix. Participated in Seven days Yoga Health and Happiness Workshop held on 1st Nov–7th Nov, 2019 Jointly organized by Sports Section & NCC, BBAU Lucknow.

x. Participated in Ten days Defence Awareness and SSB Orientation Workshop held from 28th Jan–6th Feb, 2020 Jointly organized by NCC Girls Wing BBAULucknow in Association with Centurion Defence Academy.

Dr. Rubee Lata

Participated and presented paper on the Topic 'Edible fruit of Cacti family: Dragon fruit (*Hylocereus undatus* L.)' in National Seminar on 'Horticulture: A Boon for Indian Economy' held at Babasaheb Bhimrao Ambedkar University, Lucknow on 31st October, 2019.

Participated and presented paper on the Topic 'Roof Top Gardening : Green Solution for Urban Families' 1st International Conference on Environment and Society (ICES 2019) organized by Global Environment and Social Association (GESA), New Delhi, DG PG College, Kanpur, U.P. and Asian Biological Research Foundation (ABRF), India.

Participated in 'Puratan Chhatra Samagam Samaroh evam do diwasiya rashtriya Sangosthi' on 'Rashtra Nirman main Saishik Sansthano ka Yogdan: Bhavishwavadi Dristhtikod' held on 10th-11th January, 2020 organized by Babasaheb Bhimrao Ambedkar University, Lucknow.

Participated in webinar on 'Production and Processing of Horticulture Crops' organized by Department of Horticulture, Aromatic and Medicinal Plants, Mizoram University on 26th May 2020.

National Level Webinar on "Environmental Protection: Post COVID 19 Strategy and Public Participation" organised by the NSS unit of Institute of Commerce, Nirma University, Ahmedabad on 05th June 2020.

International webinar on 'Accounting Education And Accounting Profession: Post Covid 19' organized by Institute Of Commerce, Nirma University (ICNU), Ahmedabad, India on 6th June, 2020.

Completed one day workshop on 'Roof Top Gardening of Horticultural Crops' organized on 26th September, 2019 by ICAR-Central Institute for Subtropical Horticulture, Lucknow.

12. Details of National Award/fellowship

Dr. M. L. Meena

i. **Best Citation Award (2020):** for outstanding contribution in the field of Horticulture, BAAS, Meerut

ii. Gaurav Samman in BBAU Lucknow, 2020.

Dr. Sutanu Maji

i. Best Oral Presentation Award at National conference on Technological and Emerging Aspects in Agriculture and Community Science during 7th-8th February 2020 held at Lucknow.

ii. Rapporteur at International conference ACRIL 2019, CWSS, BCKV

Dr. R. S. Verma

i. Chaudhary Charan Singh Award for Agricultural Innovations (2019)- Given by Glocal Environment & Social Association- New Delhi (India).

ii. Paryavaran Shri Samman (2019)- Given by Asian Biological Research Foundation- Prayagraj (India).

Dr. Rubee Lata

Awarded with '**ABRF Young Scientist Award**' during 1st International Conference on Environment and Society (ICES 2019) held at Harcourt Butler Technical University (HBTU), Kanpur, India on 22nd and 23rd December, 2019 by Asian Biological Research Foundation (ABRF), Prayagraj, India.

Honoured by '**BBAU Gaurav Samman**' during the occasion of 24th Foundation Day and Alumini Association Meet of Babasaheb Bhimrao Ambedkar University, Lucknow on 'Puratan Chhatra Samagam Samaroh evam do diwasiya rashtriya Sangosthi' on Rashtra Nirman main Saishik Sansthano ka Yogdan: Bhavishwavadi Dristhtikod' held on 10th-11th January, 2020.

13. Students achievements

I. Faculty wise supervision of the Ph.D. and M.Phil student/Dissertation and thesis submission/degree awarded.

Sr. No.	Name of the Ph.D. Scholar	Name of the Faculty
1	Lalit Kumar	Prof. Sanjay Kumar, Head, Deptt. of Horticulture
2	Shatrunjay Yadav	Prof. Sanjay Kumar, Head, Deptt. of Horticulture
3	Shreekant Maurya	Prof. Sanjay Kumar, Head, Deptt. of Horticulture
4	Pradeep Kumar	Prof. Sanjay Kumar, Head, Deptt. of Horticulture
5	Amit Kr. Bhargava	Prof. R. B. Ram, Professor, Deptt. of Horticulture
6	Rajeev Kumar	Prof. R. B. Ram, Professor, Deptt. of Horticulture
7	Prem Kumar	Prof. R. B. Ram, Professor, Deptt. of Horticulture
8	Viplaw Kumar	Prof. R. B. Ram, Professor, Deptt. of Horticulture
9	Mohit Kumar	Prof. R. B. Ram, Professor, Deptt. of Horticulture
10	Neeraj Kumar Verma	Prof. R. B. Ram, Professor, Deptt. of Horticulture
11	Mr. Shrikant Bharty	Prof. D. H. Dwivedi, Professor, Deptt. of Horticulture
12	Mr. Bhagchand Shivran	Dr. M. L. Meena, Asstt. Prof. Deptt. of Horticulture
13	Rajmani Singh	Dr. M. L. Meena, Asstt. Prof. Deptt. of Horticulture
14	Ruchika Abha	Dr. M. L. Meena, Asstt. Prof. Deptt. of Horticulture
15	Mr . Mata Prasad	Dr. Sutanu Maji, Asstt. Prof. Deptt. of Horticulture
16	Mayaram	Dr. Sutanu Maji, Asstt. Prof. Deptt. of Horticulture
17	Som Prakash	Dr. R S. Verma¸ Asstt. Prof. Deptt. of Horticulture
18	Harvendra Pal	Dr. R. S. Verma, Asstt. Prof. Deptt. of Horticulture
19	Vipnesh Singh	Dr. R. S. Verma, Asstt. Prof. Deptt. of Horticulture

II. Thesis Submission/Degree Awarded

Sl. No.	Name of students	Year of Submission	Topic	Supervisor
1	Mr. Pushkar Singh Patel	2019	Genetic Variability, Heritability, Correlation and Path Analysis in Cowpea [(*Vigna unguiculata* (L.) Walp.)]	Prof. Sanjay Kumar
2	Mr. Ram Vilas	2019	Effect of Gibberellic Acid and Cycocel on Vegetative Growth, Flowering, Yield and Quality Attributes of African Marigold (*Tagetes erecta* L.)	Prof. Sanjay Kumar
3	Ms. Smriti Singh	2019	Effect of Organic, Inorganic and Biofertilizers on growth, yield and quality traits of okra [Abelmoschus esculentus (L.) Moench.]	Prof. R. B. Ram
4	Mr. Anurag Bajpayee	2019	Studies on the Effect of Irradiation on the Performance of Chrysanthemum Cultivars	Prof. Deepa H. Dwivedi
5	Dinesh Chand Meena	2019	Effect of integrated nutrient management on growth, yield and quality of okra [*Abelmoschus esculentus* (L.) Moench]	Dr. M. L. Meena

III. Number of student complete their Masters/Graduations/Diploma: 31 (Thirty one)

IV. Number of students selected in Civil services (UPSC/UPPSC): 01(UPPSC)

V. Details of students selected for teaching in higher education: 02 (Private Sector)

VI. Number of student pursuing higher studies: 08 (Eight)

VII. Number of student selected on other government jobs/banking/school teaching etc.: 03(Three)

VIII. Number of student awarded SLET/NET/ JRF/any other fellowship: NET: 03 (Three)

UGC Fellowship: 08 (Eight)

14. Googly profile of the faculty members

Prof. Sanjay Kumar: Citations -475, h index-11, i10 index-14

Prof. R.B. Ram: Citations -606, h index-11, i10 index-17

Prof. Deepa H. Dwivedi: Citations -178, h index-07, i10 index-02

Dr. M. L. Meena: Citations -309, h index-9, i10 index-9

Dr. Sutanu Maji: Citations -511 h index-13, i10 index-17

Dr. R. S. Verma: Citations -23 h index-02, i10 index-01

Dr. Rubee Lata: Citations -120, h index-6, i10 index-3286

UNIVERSITY INSTIUTUTE OF ENGINEERING TECHNOLOGY

The University Institute of Engineering and Technology (UIET) at Babasaheb Bhimrao Ambedkar University (A Central University) was established in the year 2013. The UIET has five branches; Electrical Engineering, Mechanical & Automobile Engineering, Computer Engineering, Civil Engineering, Electronic and Communication. The UIET organizes various programmes such as special lectures, seminar, and Stage programs on various occasions. The UIET also organizes expert lectures of eminent personalities from academics & construction industry time to time. The UIET also allotted some projects to the student which are going on. The UIET is an innovative and vibrant place of learning, where students pursue their educational interests in order to lead the next generation in transforming the disciplines.

The B.Tech. program apart from covering the fundamental courses, shall imbibe all traditional aspects. Laboratory facilities include the Laboratories and measuring instrument, EMEC and Network Lab and Matlab and p-spice software based programs etc. The future plan of the UIET is to impart research work in the emerging areas. The UIET also focuses to introduce post graduation level courses.

DEPARTMENT OF COMPUTER ENGINEERING

The Department of Computer Engineering is functioning in the University since 2013.The Department is offering four years Bachelor of Technology degree. The Department has a comprehensive curriculum on topics related to all aspects of Computer Engineering with an emphasis on practical learning. The course structure is up-to-date and includes courses on nascent topics to equip our students with the latest developments in Computer Engineering. The aim of the Department is to deliver top class education blending their rich classroom teaching and they focus on the growth of each and every student through regular interaction using Seminar, Presentation and Viva-Voce.

The future plan of the Department is to impart research work in the emerging areas of Computer Engineering. The department also focuses to introduce post graduation level courses. Presently, there is no permanent faculty and teaching is managed by Resource Persons.

Course Offered	Duration	No. of Seats
B. Tech. (Computer Engineering)	04 Years	30

DEPARTMENT OF ELECTRICAL ENGINEERING

The Electrical Engineering is one of the oldest branches of engineering, and dates back to the late 19th century. It is the branch of engineering that deals with the technology of electricity. Electrical engineers work on a wide range of components, devices and systems, from tiny microchips to huge power station generators.

Since its early beginnings, the field of electrical engineering has grown and branched out into a number of specialized categories, including power generation and transmission systems, motors, batteries and control systems. Electrical engineering also includes electronics, which has itself branched into an even greater number of subcategories, such as radio frequency (RF) systems, telecommunications, remote sensing, signal processing, digital circuits, instrumentation, audio, video and optoelectronics.

The Department of Electrical Engineering at University Institute of Technology (UIET) established in 2014 & focuses on a multifaceted growth of students and is designed to equip them not only with the core theoretical and practical fundamentals of the discipline, but also evolve them into confident individuals, ready to make an impact on whatsoever profession (industrial work, research, entrepreneurship) they choose to pursue. Currently, the department offers B. Tech program

The vision of the department is to provide a balanced education to students, strong in scientific, engineering, humanistic, and social bases, so that they may attain a leadership role in their profession and use their knowledge and skill for the enhancement of human welfare and the environment. The Department has been established with the following objectives:

i. Becoming one of the nation's leading electrical engineering departments by building peaks of excellence in the fields of communications/signal processing and micro/power electronics and by being a leader in innovative educational programs;

ii. Offering an undergraduate curricula that equips graduates for careers that require ingenuity, integrity, logical thinking, and the ability to work and communicate in teams, and for the pursuit of graduate degrees in engineering or other fields such as business, medicine, and law;

iii. Promoting life-long learning animated by a passion for the never-ending advance of technology.

Course Offered	Duration	No. of Seats
B.Tech. (Electrical Engineering)	04 Years	30

DEPARTMENT OF CIVIL ENGINEERING

Students and is designed to equip them not only with the core theoretical and practical fundamentals of the discipline, but also evolve them into confident individuals, ready to make an impact on whatsoever profession (industrial work, research, entrepreneurship) they choose to pursue. Currently, the department offers B. Tech program. Civil Engineering is concerned with the improvement in quality of basic needs of human civilization and taking care of the naturally and humanly built environments with their planning, designing, construction, operation and maintenance. It is the branch with a lot of diversity from geotechnical sciences to structural engineering, environmental to hydraulics, transportation to hydrology. This department is student-oriented and multi-faceted research prone and is dedicated to work together to build a sustainable future through the development of civil infrastructure and betterment of global environment.

Laboratory facilities include the Laboratories of Structure analysis, Hydraulics, Building material & construction, Geo informatics, Environmental, CADD etc. The Department has been established with the following objectives:

i. **Fundamental Knowledge**: Graduates of the program will be skilled in the fundamental principles of mathematics, science, and four sub-disciplines in Civil Engineering that are necessary for success in industry or graduate school.

ii. **Specialization:** Graduates of the program will be proficient in four sub-fields of Civil Engineering to an extent that they can pursue careers in those fields or in related inter-disciplinary fields that benefit from a strong background in applied sciences and engineering. Graduates will also obtain additional depth and specialized knowledge in at least one sub-field.

iii. **Design Skills:** Graduates of the program will be skilled in problem solving, design and interpretation of experiments, and operating within a team environment for the solution of design problems in their chosen field.

iv. **Professional Skills:** Graduates of the program will be capable of operating effectively in a professional environment by demonstrating technical communication skills, the ability to procure work, the ability to interact effectively with construction professionals, and an understanding of both ethical issues in Civil Engineering and the importance of Civil Engineering work to society.

Course Offered	Duration	No. of Seats
B.Tech. (Civil Engineering)	04 Years	30

DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering is offering four years Bachelor of Technology degree. The Department has a comprehensive curriculum on topics related to all aspects of Electronics and Communication Engineering with an emphasis on practical learning.

Electronics and Communication engineers engage in research, design, development and testing of electronic equipment used in various communication systems. It is due to electronics and communication engineering that we enjoy such modern communication devices as cellular, telephones, radios and television. Our faculty members aim at delivering top class education blending their rich classroom teaching as well as interactive session in laboratories and they focus on the growth of each and every student through regular interaction using Seminar, Presentation and Viva-Voce and working towards the betterment of laboratories and planning to propose post graduation courses.

Course Offered	Duration	No. of Seats
B.Tech. (Mechanical & Automobile Engineering)	04 Years	30

DEPARTMENT OF MECHANICAL & AUTOMOBILE ENGINEERING

The Department of Mechanical Engineering at UIET BBAU Lucknow started journey in the year of 2013. Over the last three years, we have grown our expertise and competence in the core Mechanical Engineering curriculum and research. Mechanical engineering is a subset of general engineering. Engineers use science and mathematical principles to solve technical problems. Since they often create new products to solve these problems, they are in high demand. Engineers are essentially inventors. By dreaming up ideas and turning them into a reality they push technology to its limits. Mechanical Engineering is an engineering discipline that involves the application of principles of physics for analysis, design, manufacturing, and maintenance of mechanical systems. It requires a solid understanding of key concepts including mechanics, kinematics, thermodynamics and energy. Mechanical engineers use these principles and others in the design and analysis of automobiles, aircraft, heating and cooling systems, manufacturing plants, industrial equipment and machinery, medical devices and more.

The course structure is up-to-date and includes courses on nascent topics to equip our students with the latest developments in Mechanical Engineering at present the department has one state-of-the-art Computer Laboratory fully equipped with latest i7 hp Computer Systems. Very soon the Department will be well connected through Wi-Fi Technology. The Department has Multimedia LCD Projector and other peripherals.The Department laboratories consists of Mechanic Lab, Fluid Mechanics Lab, Testing Lab, Thermodynamics Lab, Manufacturing Technology Lab, Measurement & Metrology Lab, Mechanic Design Lab, CAD/ CAM Lab

Mechanical Workshop: This Laboratory is aimed at providing an introduction to the Know-how of common processes used in industries for manufacturing parts by removal of material in a controlled manner. Auxiliary methods for machining to desired accuracy and quality will also be covered. The emphasis throughout the laboratory course will be on understanding the basic features of the processes rather than details of I constructions of machine, or common practices in manufacturing or acquiring skill in the operation of machines. Evidently, acquaintance with the machine is desirable and the laboratory sessions will provide adequate opportunity for this.

Course Offered	Duration	No. of Seats
B.Tech. (Electronic and Communication Engineering)	04 Years	30

BBAU SATELLITE CENTRE, AMETHI

1. Brief Description

The centre was established as a Satellite Centre, BBAU on 16th June, 2016 at Tikarmafi, Amethi situated 130 kms away from Lucknow. Keeping in view, the vision and mission of the University, the general mileu of this area, to promote educational and economic welfare of the general population, specially the marginalised and deprived sections of the society, the centre was established specially to cater to the academic, social and economic upliftment of the people of Amethi.

The admissions were announced in the month of June and the counselling for admissions was conducted on 22nd August and 06th September, 2016 and the first session was started w.e.f. 05th October, 2016.

2. Description of Departments and courses

Presently in this centre there are running three departments. Following is the mention detail of departments:-

Sl. No.	Department	Name of Course	Intake Capacity	Student Enrolled	No. of Permanent Faculty	No. of Resource person
01	Department of Computer Science & Information Technology	B.Sc. (Information Technology)	60 (I) 60 (II) 60 (III)	27 24 12	02	04
02		Bachelor of Computer Application	60 (I) 60 (II) 60 (III)	27 22 09		
03	Department of Social Science & Commerce	05 Years Integrated B.A. & M.A. in Social Science	60 (I) 60 (II) 60 (III) 60 (IV)	05 00 05 07	01 (History)	04
04		Bachelor of Commerce	60 (I) 60 (II) 60 (III)	19 00 06	01	02
05	Department of Languages & Vocational Studies	B.Sc. (Food Science & Technology)	60 (I) 60 (II) 60 (III)	17 26 08	01	03
06		M.A. (English)	60 (I) 60 (II)	00 01	01	00
Total				216	06	13

3. Facilities available

Central Library

The library inherited approximately a thousand reference books acquired by earlier arrangements and a thousand books in various courses. In keeping with the vision and mission of the University, the library has been established "to promote knowledge generation and application through its effective dissemination" and, it therefore, acts as the main learning resource center of the University to supplement educational and information needs of the faculty and students, and provides information services and facilities to meet the requirements of the University's teaching, training and research programs. Highly skilled staff assists students to use the local collections and find information on specific topics.

Hostels

Separate hostel for boys and girls is available.

Mess

Mess within the centre serves delicious balanced diet as per daily schedule in neat and dean ambience.

Sports Facility

The University has a multipurpose sports ground in the centre having facilities for outdoor sports viz., Football, Volleyball, Badminton, Cricket, Athletics etc. In addition, there is an indoor Gymnasium equipped with facilities for physical training, and facilities for indoor games like Chess, Carrom etc.

Play Grounds

BBAU SATELLITE CENTRE believes in the philosophies "healthy mind in a healthy body" "Health is Wealth" and "All work and no play makes jack a dull boy". Inter and Intra departmental matches are conducted to bring out the talents from amongst the students. Badminton, Volley Ball, Cricket and races are the most preferred games of the students of BBAU CENTRE.

Auditorium

Spacious air conditioned auditorium with seating capacity of 150 is available in the centre for conducting various programs and functions. Training Programmes, Workshops, Value added courses, Seminars, Conferences, Guest lectures, Group Discussions are arranged regularly for the benefit of students and faculties.

Wi-fi facilities in Hostels

High speed WiFi internet facility is available in the centre for all students.

Computer Lab

Computer Science department – is at the heart of computing and related to every interdisciplinary activity in the Centre. It plays a vital role in providing state of the art facilities to the students in the field of Information Technology. It is also a place where students can obtain an outstanding education in computer science through a variety of graduate program. The students have the facility to be assigned individual computers and access internet and other applications. The students have all the authority to access internet in their leisure time under the surveillance of the computer lab assistants to explore and learn more about their curriculum or anything that is informative.

This helps students learn and gain more knowledge apart from books and lectures of the teachers. This creates passion among them for grabbing knowledge by themselves which in turn makes them satisfied and more confident.

Food Science and Microbiology Lab

In this centre Research and lab work are highly precise with the use of high precision apparatus like AAS, GC, micropipettes, Spectronalyser, Texturometer, Fermentor ,Canning machine ,Chemical, etc. and well counter for practical high quality chemicals, and disposable wares. Fully equipped and air-conditioned microbiological lab, bakery lab and food analysis lab.

ACADEMIC: CENTRE FOR VOCATIONAL & INTEGRATED STUDIES

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION ECHNOLOGYTECHNOLOGY

Coordinator: Dr. Neeraj Kumar, Assistant Professor

1. Brief profile of the department:

The Department of Computer Science and Information Technology was established in the year 2016 under BBAU Satellite Centre. The Department offers courses on Computer Science and Information Technology. The Department has well established laboratory facilities and other requisite infrastructure on the centre for the students.

2. Course Details

Sl. No.	Name of the Course	Duration of the Course
01	B.Sc (IT)	03 years
02	B.C.A.	03 years

3. Description of Department

The Department of Computer Science and Information Technology (CS&IT) is an active and vibrant teaching and research centre with its focus strongly on obtaining the best possible career outcomes for its graduates.

In an industry as dynamic as IT, students are placed at the forefront of modern technologies. La Trobe's facilities are class-leading with many open 24/7. In addition, specialist labs offer hands-on experience with networking technology and software development through collaborations with Microsoft and CISCO.

A promising CS&IT career starts with a firm foundation, coupled with the opportunities provided by strong industry linkages and research expertise, studying at La Trobe is the gateway to a successful career.

4. Facilities available

I. Computer Lab

Computer Science department – is at the heart of computing and related to every interdisciplinary activity in the Campus. It plays a vital role in providing state of the art facilities to the students in the field of Information Technology. It is also a place where students can obtain an outstanding education in computer science through a variety of graduate program. The students have the facility to be assigned individual computers and access internet and other applications. The students have all the authority to access internet in their leisure time under the surveillance of the computer lab assistants to explore and learn more about their curriculum or anything that is informative.

This helps students learn and gain more knowledge apart from books and lectures of the teachers. This creates passion among them for grabbing knowledge by themselves which in turn makes them satisfied and more confident.

II. Detail of Academic Activities

National Science Day

Detail of Faculty

Dr. Neeraj Kumar Tiwari

Assistant Professor

Dr. Neeraj Kumar Tiwari - Achievement in the year 2018-2019

i. Awarded by Travel grant award for OIIB Summer School, 2017 at Okazaki, Japan.

ii. Young Scientist Award 2016 by Center for Advance Research and Design, Venus International Foundation, India (3rd December, 2016).

iii. Awarded by Travel grant award for OIIB Summer School, August 27th-28th, 2014 at Okazaki, Japan.

iv. Awarded ISPOR International Travel Grant for 19th Annual International Meeting, May 31st-June 4th, 2014 at Montreal, QC, Canada

Dr. Babita Pandey

Assistant Professor

Dr. Babita Pandey: Achievement in the year 2018-2019

Publication in SCI indexed journal Total Impact 16

i. **Babita Pandey has published paper entitled:** Investigating the Importance of Psychological and Environmental Factors for Improving Learner's Performance using Hidden Markov Model, IEEE ACCESS, 2019, Vol 7(1), 21559-21571 10.1109/ ACCESS.2019.2897175, ISSN: 2169-3536 [IF 4.09]

ii. **Babita Pandey has published paper entitled:** Software fault prediction based on change metrics using Hybrid algorithms: An empirical Study, Journal of King Saud University-Computer and Information Sciences, 2019, dio: https:// doi.org/ 10.1016/j.jksuci.2019.03.006.

vii. **Babita Pandey has published paper entitled: KDSAE:** Chronic kidney disease classification with multimedia data learning using deep stacked autoencoder network. Multimedia Tools and Applications, 2019. doi:10.1007/s11042-019-07839-z ISSN: 1380-7501 (print version), ISSN: 1573-7721 (electronic version), Journal no. 11042, (IF 2.101)

iii. Babita Pandey has published paper entitled: Classification and Identification of Primitive Kharif Crops using Supervised Deep Convolutional Networks, Sustainable Computing: Informatics and Systems, 2019. https://doi.org/10.1016/ j.suscom.2019.07.003. **ISSN:** 2210-5379 (IF 1.8)

iv. Babita Pandey has published paper entitled: Sound classification of using convolution neural network and tensor deep stacking network, IEEE Access, vol. 7, 2019, 7717-7727. **ISSN:** 2169- 3536 (IF 4.09)

v. Babita Pandey has published paper entitled: A Comprehensive Survey of Edge Prediction in Social Networks: Techniques, Parameters and Challenges, Expert Systems with Applications, Vol. 124,2019, pp. 164-181 (IF 4.29)

I. Book Chapters

i. Book Chapter by Babita Pandey, Similarity- Based Indices or Metrics for Link Prediction, Hidden Link Prediction in Stochastic Social Networks, edited by Babita Pandey and Aditya Khamparia, IGI Global Publisher, 2019. Pp-1-29.

ii. Book Chapter by Babita Pandey, Online Social Network Analysis (pages 50-63), Hidden Link Prediction in Stochastic Social Networks, edited by Babita Pandey and Aditya Khamparia, IGI Global Publisher, 2019, pp 30-49.

II. Project

i. UGC startup Project entitled "Diagnosis of neuromuscular diseases using Deep Learning architecture" 2019 amount sanctioned 10 Lakhs.

DEPARTMENT OF SOCIAL SCIENCES AND COMMERCE

Coordinator: Dr. Leena Sharad Shimpi, Asstt. Prof.

1. Brief profile of the Department:

The Department of Social Sciences and Commerce was established in the year 2016 under BBAU Satellite Centre. The Department offers the courses of 05 Years Integrated B.A. & M.A. in Social Science with a combination of History, Political Science, Public Administration and B.Com. are being offered as optional subjects in the Department.

2. Description of Department

This department runs two courses – Bachelor of Commerce (B Com) and Integrated BA & MA. Presently the department has 2 batches in B Com and 3 batches in Integrated BA & MA. The subject offered in MA at BBAU–Satellite campus is History.

3. Facilities Available

i. Class Room
ii. Central Library
iii. Canteen
iv. Reading room
v. Photocopy/ Xerox facility
vi. Auditorium (Common for campus)
vii. Computer & internet facility at central library

4. Details of Academic Activities

i. Independence Day 15th August 2019.
ii. Childerence Day Celebration
iii. Teacher Day Celebration
iv. Hindi Divas Celebration – Rangoli competition, Poster making competition, Essay writing completion, Skit by students- (Nukad Natak).
v. Celebration of Guru Poornima.
vi. Essay writing on Vivekanada Jayanti.
vii. Participation by students in various activities in main campus.
viii. Republic Day 26th January 2020

4. Detail of Faculty

1.	Dr. Leena Sharad Shimpi Assistant Professor/ Coordinator Qualification:-FCMA, Ph. D, UGC –NET; MBA (Finance); M Com.
2.	Dr. Sushil Kumar Pandey Assistant Professor Qualification:- NET Ph.D (History)

5. Details of Students Achievements

Our Student regularly performs well in End semester examination. Some are also pursing higher Studies either from BBAU Main Campus or from other reputed Universities in India. Few of them are self-employed.

DEPARTMENT OF LANGUAGES & VOCATIONAL STUDIES

Coordinator: Mrs. Komal Singh , Asstt. Prof.

The Department of Languages and Vocational Studies started functioning from the academic session 2016-17 at the newly established BBAU Satellite Centre, Amethi. At present, it offers three courses that are interdisciplinary in nature – Bachelors in Food Science and Technology (BFST) offers a mix of theory and practicals covering the diverse and emerging field of Food Science also involving concepts and ideas from core science subjects, the UG (BA English) and PG (MA in English) programmes in English literature and language focus on the fundamentals of language and literature learning and also offer advance level courses in Gender studies, Comparative literature, and Translation, Indian English literature, Dissertation writing etc.

The syllabuses of all the courses are periodically revised (as per the CBCS guidelines) to keep the students abreast with changes happening in their respective professional fields and to equip them with the latest knowledge and technology so that they may perform effectively. In addition to the scheduled classes and training, the curriculum has also integral components of seminars and research-based projects and dissertation writing targeted to shape the students' career in accordance with the requirements of national and global standards. Elective subjects are also available to meet the areas of students' interest. Students are exposed to academics and extra-curricular activities during their period of enrolment.

5. Languages and Vocational Studies

Course offered	**1. B.Sc. FST** 2. BA in English as one of the subjects (from 2019- 20 session) 3. M.A (English)
Facilities Available in the department	**1. Microbiology Lab** 2. Food science Lab 3. Smart Classrooms 4. Computer facility
Details of Faculty	**1. Ms. Komal Singh** Assistant professor / Coordinator Department of Languages and Vocational Studies Qualification: - M.Sc.(Food Science and Technology),B.Ed., M.Ed., C-DAC computer course, ASRB-NET Mobile No. 9984958203 Email Id. komalsinghgupta@gmail.com 2. Dr Hariom Singh Assistant Professor in English, In charge library Department of Languages and Vocational Studies Qualification :- Ph.D. Specialization: Indian English Literature, Postcolonial Studies, Gender Studies Email Id. h.singh765@gmail.com Mobile no.7355651743
Detail of seminar of conference organized by the department.	**N/A**
Other departmental level academic Activities;	Organised a lecture on "Role of Communication Skills in Personality Development" on 28th Feb, 2020 delivered by Dr. Pravin Patel, Assistant Professor, MMV, BHU.
Details of memorandum of understanding signed with the national / foreign institution, it any	N/A
Co- curricular / Extra-curricular/ sports Activity by the department:	Ambedkar Jayanti 14th April, 2019 National Nutrition Week – 1st to 7th September, 2019 Organize National Science Day on 28th Feb, 2020
Visitors of Department from inside the country (during 01.04.2019- 31.03.2020)	N/A
Visitors of department from outside the country (during 01.04.2019- 30.03.2020	N/A
Members / fellowship of professional / academic bodies/ editorial board:	Dr. Hariom Singh Life Membership, Indian Association for the Study of Australia (IASA) Managing Editor, Glocal Colloquies: An International Journal of World Literature and Cultures Awarded Research Associateship of Inter- University Centre (IUC) at IIAS Shimla (Yet to join)
Details of book written / Edited by faculty members:	Hero and Hero-worship: Fandom in Modern India (Co-edited) from Vernon Press (Forthcoming)
Details of book chapter in edited volume:	"of Nation and Masculinity in Bollywood Sports Biopics: Recontextualizing Bhaag Milkha Bhaag and Dangal" accepted in Hero and Hero-making Across Genres (ed) to be published by Routledge

Paper published during the tear by the faculty members (during 01.04.19 to 31.03.2020)	N/A
Attended / participated in conference / seminar/ workshop inside country	Chaired a technical session in the International conference on "India, Asia and Australia: Oceanic Encounters and Exchanges" from 27-29 January, 2020 organized by IASA, VCW Rajghat Varanasi, and Faculty of Arts, BHU.
Consultancy work, if any.	Nil
Details of policy reports	Nil
Details invited lecture inside the country:	Delivered a lecture on "The Second Wave Feminism: A Reading of de Beauvoir's Introduction to The Second Sex" under the aegis of Intersections: An Informal Academic Forum at Faculty of Arts, BHU.
Details of National Award/ fellowship:	Nil
Details of international Award / fellowship	Nil
Details of Research Projects (major/ minor): None	Nil
Details of patents filled / awarded	Nil
Details related to good Governance at the department level to ensure transparency/student/participation/time bound results etc.	The syllabus was revised in accordance with the CBCS norms from the session 2019-20
Students achievements:	Our students regularly perform well in end semester examinations. Some are also pursuing higher studies either from BBAU main campus or from other reputed central Universities.
Googly profile of the faculty members	N/A

6. Students Achievements

Number of Students (BFST) graduated during the session	18
Number of students pursuing higher studies	16

DEAN STUDENTS' WELFARE

Dean Students' Welfare, section is for the welfare of the students. At present Dean Students' Welfare offers 06 (Six) (Ashoka Extension merged in Ashoka Hostel) (Sanghmitra Extension merged in Sanghmitra Hostel) hostels to accommodate on campus out-station candidates. The well managed hostels are equipped with a mess, well equipped recreation room, reading room and opportunity for curricular and co-curricular activities with one administrative warden and others wardens as per hostel capacity in each hostel at the help of affairs. The girl's hostels have a matron round the clock. The vibrant hostels, thus, provide a comfortable ambience to the inmates for their scholastic pursuits and excellence. Most importantly Student Council is duly constituted every year as per the statue of the university to involve students in the smooth management of the welfare activities related to students.

- Prof. B.S. Bhadauria, DSW
- Dr. P. Mohanty, Dy. DSW (Women)
- Dr. Anjani Kumar Tiwari, Dy. DSW (Male)
- Dr. M.L. Meena, ADSW (Allotment)
- Dr. Jay Shankar Singh, ADSW (Maintenance)
- Dr. Siddhartha Shankar Rai, ADSW (Cultural)
- Dr. Deepa Raj, ADSW (Allotment)
- Dr. Taruna, ADSW (Maintenance)
- Dr. Preety Choudhari, ADSW (Cultural)
- One Office Assistant
- One Office Attendant
- One Plumber
- One Carpenter
- One Carpenters' Helper

Sanghmitra Girls Hostel

Brief Description of the Hostel

Hostels in academic institutions are the epicenters of the dynamics of the campus life. Sanghmitra Girls Hostel spread over vast area and surrounded by green cover, encompassing gardens has been providing fuel and force to the life and motion of University's liberal democratic academic culture. Situated next to the Vice Chancellor's Residence, the Hostel is a four storied building having 84 rooms with balcony and good ventilation. It is a spacious, well furnished hostel enclosing lawns with rose beds and hedges. The Hostel provides residential facilities to bonafide postgraduate and Ph.D female students of the University. Mess facility is available in the hostel. Mess is privatized but run under the supervision of hostel administration. Nutritious and hygienic meals are provided to the inmates. Eight Commercial Aqua Guards cum Purifiers are installed on each floor and dining hall to provide purified RO water to the inmates.

The guiding principle of the University has been to uphold democratic and egalitarian values and strive towards intellectual excellence. Therefore, the main objective of Sanghmitra Girls Hostel is to ensure that the inmates are able to devote adequate time to their studies and research as well as to develop a climate congenial to co-curricular and extra-curricular activities of inmates. All hostel inmates are expected to maintain the spirit of camaraderie and dignity. The Hostel Office located within the Hostel premises, is integral part of the Hostel. There are several employees to look after the daily chores in the hostel. The health services are made available to the

residents by the University Health Centre located inside the University Campus. A Fully furnished Air conditioned common rooms, equipped with recreational and indoor game facilities such as Carroms, Chess, Table Tennis, Chess board, etc adds to the vibrancy of the hostel, encouraging the inmates to actively engage in co-curricular activities.

Facilities Available in Hostel

- Well furnished rooms with comfortable and functional furniture.
- 8-R0 Purified drinking water cooler.
- 1 Geyser in each 8 bathrooms
- National dailies and magazines in Hindi and English are subscribed.
- Student's visitors cum reading room.
- Reading area in each floors.
- 1 A/C and 2-Non A/C Guest room.
- Nutritious and hygienic meals.
- Aqua guard for mess kitchen.
- Roti Maker Machine for mess kitchen.
- Dough Maker Machine for mess kitchen.
- Food Warmer Machine for mess kitchen.
- Fully furnished and spacious dining hall.
- Inverter facility in dining hall.
- Well constructed parking facility.
- Health care and ambulance facilities.
- Recreation Hall Facility.
- LED T.V. facility.
- Wireless Microphone (Mike) with Speaker for students.
- Well constructed Badminton Court facility.
- Fully furnished and well equipped Gymnasium.
- Treadmill Facility.
- Full time matron.
- Wi Fi Connectivity facility.
- Well maintained garden.
- Projector facility.
- Induction Stove Facility for heating milk and water.
- Fire alarm control panel facility.
- Refrigerator Facility.
- RO Plant Facility.

Staff Details in Hostel

1. **Administrative Warden:** Dr Deepa Raj, Asst professor, Department of computer science BBAU Lucknow
2. **Maintenance Warden:** Dr Sufiya Ahmed, Asst. professor, Department of Law BBAU Lucknow
3. **Contractual Staff:**
   - **i. Matron :**Ms Ruchi singh
   - **ii. Assistant :**Mrs Malti
   - **iii. Attendent :** Mr. Vinay Kumar
4. **3 Sweapers :** Mrs.Vijyamavati, Mrs. Savita, Mrs. Rani
5. **1 mali:** Mr. Shiv Balak
6. (1 security guard in 6AM-2 PM) & (1 security guard in 2-10 PM) &

   (2 security guard in 10 PM – 6AM) and (1 gunner (10PM – 6 M)

Event organized at Sanghmitra Girls Hostel

- A Hostel night was organized on 04.05.18 with farewell/Fresher party to encourage the co-curricular talent among the students.

Details of inmates of Sanghmitra Girls Hostel related to Category wise. (Session)

Category, State & Country wise. (Year)								
	State and Country wise		Category wise					
S.N.	State	Country	GEN	OBC	SC	ST	PH	Total
1	Uttar Pradesh	-	53	11	50	4	1	119
2	Uttarakhand	-	2	-	-	-	-	2
3	Haryana	-	1	-	-	-	-	1
4	Odisha	-	1	-	1	-	-	2
6	Bihar	-	3	2	1	-	1	7
7	Chattisgarh	-	1	-	-	-	-	1
8	New Delhi	-	-	-	-	1	-	1
9	-	Myanmar	2	-	-	-	-	2
10	W.Bengal	-	-	-	1	-	-	1
13	Punjab	-	1	-	-	-	-	1
14	Jharkhand	-	2	1	-	-	-	3
		Total Students	69	14	54	5	2	144

Hostel Capacity for inmates: The hostel capacity is 162 inmates. (162 in rooms allotted).

Sanghmitra Girls Hostel Extension

Brief Description of the Hostel

Hostels in academic institutions are the epicenters of the dynamics of the campus life. Sanghmitra Girls Hostel Extension spread over vast area and surrounded by green cover, encompassing gardens has been providing fuel and force to the life and motion of University's liberal democratic academic culture. Situated next to the Vice Chancellor's Residence, the Hostel is a four storied building having 166 rooms with balcony and good ventilation. It is a spacious, well furnished hostel enclosing lawns with rose beds and hedges. The Hostel provides residential facilities to bonafide postgraduate and Ph.D female students of the University. Mess facility is available in the hostel. Mess is privatized but run under the supervision of hostel administration. Nutritious and hygienic meals are provided to the inmates. Four watercooler with RO are installed on each floor and dining hall to provide purified RO water to the inmates.

The guiding principle of the University has been to uphold democratic and egalitarian values and strive towards intellectual excellence. Therefore, the main objective of Sanghmitra Girls Hostel Extension is to ensure that the inmates are able to devote adequate time to their studies and research as well as to develop a climate congenial to co-curricular and extra-curricular activities of inmates. All hostel inmates are expected to maintain the spirit of camaraderie and dignity. The Hostel Office located within the Hostel premises, is integral part of the Hostel. There are several employees to look after the daily chores in the hostel. The health services are made available to the residents by the University Health Centre located inside the University Campus.

Facilities Available in Hostel

- Well furnished rooms with comfortable and functional furniture.
- 04-R0 Purified drinking water cooler.
- 08 watercooler in Hostel.
- 02 Geyser in each floor.
- Hindi and English Newspaper are Available in Hostel
- Reading area in each floors.
- 04-Non A/C Guest room.
- Nutritious and hygienic meals.
- R0 Purified water for mess kitchen.
- Fully furnished and spacious dining hall.
- Well constructed parking facility.
- Health care and ambulance facilities.
- Recreation Hall Facility.
- Full time matron.
- Wi Fi Connectivity facility.
- Well maintained garden.
- Induction Stove Facility for heating milk and water.
- Refrigerator Facility in Mess.

Staff Details in Hostel

1. **Administrative Warden:** Dr Shalini Agarwal, Asst professor, Department of Home science BBAU Lucknow.
2. **Maintenance Warden:** Dr Preeti Gupta Asst. professor, Department of Chemistry BBAU Lucknow
3. **Contractual Staff:**
   - i. Matron : Ms Rajani Mishra
   - ii. Assistant : Mrs Sapna Singh
   - iii. Attendent : Mr. Subhash
4. 04 Sweapers : Mrs.Sahbunisha, Mrs. Malti , Mrs. Pinki , Mrs. Anita
5. (1 security guard in 6AM-2 PM) & (1 security guard in 2-10 PM) & (2 security guard in 10 PM – 6AM) and (1 gunner (10 PM – 6M)

Event organized at Sanghmitra Girls Hostel

- Holi Celebration was organized on 15th March 2019 with students.

such as good water, sanitation, garden, rooms, and equipments. It has been catering to the needs of the poorest section of Indian society. The philosophy of the hostel is 'become an agent of socio-economic transformation of society'.

Objectives

Hostel plays a critical role in shaping the academic life of students and their personality development. Keeping this fact into consideration, the hostel focuses on the following three objectives:

- Providing congenial atmosphere for wholesome life of students.
- Providing basic facilities that are crucial for students' stay in the campus.
- Imparting human values of love, compassion and positive action.

Facilities

The hostel has spacious building with lush green, serene, pollution-free premises. A total of fifty rooms

Details of inmates of Sanghmitra Girls Hostel Extension related to Category wise

Category, State & Country wise								
	State And Country wise		Categroy wise					
No.	State	Country	GEN	OBC	SC	ST	PH	Total
1	Uttar Pradesh	-	125	32	61	05	-	223
2	Uttarakhand	-	02	01	01	01	-	5
3	Maharashtra	-	02	-	-	-	-	2
4	Odisha	-	01	-	-	-	1	
6	Bihar	-	01	01	02	-	4	
7	MP	-	02	-	01	-	-	3
8	New Delhi	-	02	-	-	-		
9	Jammu & Kashmir	-	01	-	-	02	-	3
10	W.Bengal	-		01	-	-	-	1
13	Punjab	-		01	-	-	-	1
		Total Students	137	35	65	08	00	245

Hostel Capacity for inmates: The hostel capacity is 310 inmates. (155 in rooms allotted).

Siddhartha boys hostel

Hostel Warden: Dr. Sharad Kumar Sonker (Warden Administration), Dr. Jawahar Lal Jat (Warden)

The hostel is a modern building built with the financial help of the Ministry of Social Welfare (SC). It houses hundred students with most of the basic facilities available for student's occupancy. Rooms are airy and spacious with good natural light, catering the needs of inmates on double occupancy basis. The rooms are equipped with beds, study tables and chairs, ward robes, lights, and fans. The hostel has staffs that make sure that everything runs smoothly and look after the welfare of the inmates. The notice board is provided to apprise the inmates for any notice forwarded to them. The overall charge of student's discipline and hostel administration vests in the Wardens (AdministrativeWarden and

Warden), DSW and the Proctor. The accommodation is being provided by the Dean Students Welfare office on the University entrance merit basis of the students.

The hostel has a dining hall with a sitting capacity of fifty students. This hostel has cooperative mess managed by students by the way of forming different committees. Joining the mess is compulsory in the hostel. Every attempt has been made to provide healthy food to make sure the physical and mental health of students.

Other facilities are

1. Water geysers
2. Water Coolers
3. RO Plant
4. LED T.V. with HD set top box
5. Indoor games room
6. Badminton Court
7. Various sports items such as cricket kits, Basket ball, foot ball etc
8. Gymnasium
9. Wi- Fi connectivity
10. Basic Medical facilities
11. Inverter facility for electricity backup in hostel mess
12. On demand Ambulance facility
13. One Guest room for Parents
14. One Common Room

Hostel Office

The hostel office staffsconsisting of support staff including one Data Entry Operator cum MTS, twohousekeepers, one gardener and one security guard.

Yashodhara Girls Hostel

Yashodhara girl's hostel spread over vast area and surrounded by green cover, encompassing gardens has been providing fuel and force to the life and motion of University liberal democratic academic culture. The hostel is a four storied building having 105 rooms with double seated and ventilated balcony. Hostel provides residential facilities to bonafide B.Tech, Postgraduate and Ph.D students full time in the programme of the University. Mess facility is available in the hostel mess, run privatized caterer under (Co-operative Mess) the supervision of hostel administration. Nutritious and hygienic meals are provided to students to ensure healthy inmates.

Hostel inmates are expected to maintain the spirit of camaraderie and dignity. The hostel office located within the hostel premises is an integral part of the hostel. There are several employees to look after the daily chores in the hostel. The health services are made available to the residents by the University Health Center located inside the University campus. A fully furnished common room equipped with recreational and indoor game facilities such as carom, chess, table tennis etc adds to the vibrancy of the hostel, encouraging the inmates to actively engage in co-curricular activities.

Objective of Yashodhara girls hostel: Hostel was established in the year 5/Sept/2012 with following Objectives.

- To ensure that the inmates are able to share good time coming from various parts of the country and live together in harmony and develop mutual understanding for good will.
- To strengthen student by providing internet facilities to devote quality time to their studies and research.
- To develop a spirit for co-curricular and extra – curricular activities within students.
- To propagate an environment of community living and to inculcate sense of social responsibility.

Facilities: Yashodhara girls hostel has provided following facilities in the session 2018-2019 to 206 inmates residing inside the hostel. These are -

Study Room: One room exclusively for study purpose and facilitate with tables and chairs.

Internet: Internet facility is being provided to the inmates and the system Land-LAN has been working well.

Game and sports: There are out-door and in-door games facilities in the hostel like a chess, carom, badminton, table tennis etc.

Potable water: Seven Water coolers with RO water plant.

Dining Hall: Fully furnished and spacious dining hall to accommodate 60 Students at a time. The mess Contract was reviewed and mess has been given to M/S R.R Caterers who has providing healthy and hygienic food to the students at a reasonable rate.

Common Hall: Common hall equipped with 42 inch LED T.V having DTH connection. Along with sofa and chairs.

Visitor room: One room is allotted for visitor with 10 seating capacity meeting time is from 4-6. pm.

Guest room: One AC and one Non AC guest room are also available in the hostel with 02 seated respectively on guest charge as per university rule.

Dormitory: Dormitory halls are available in hostel which are given on guest charges as per university rules.

Gymnasium: Fully furnished and well equipped gymnasium. Having many dedications to cater health needs of students (List Attached at page no-3)

Equipments Name	Equipments No.
Gym Deluxe Commercial Motorized Treadmill	1
Gym Cirwit Trainer crtr 30	1
Gym Deluxe Flat Bench press bench	1
Gym Deluxe Abdoimal Trainer Bench	1
Gym Weight Plates St 100 Kg Total	1
Gym Dumbells set 41 Kg Total	1
Gym Chrome steel bars set	1
Gym Dumbells Rack	1
Personal Weighing scale	1

Hostel Office

The Administration and other day to day hostel affair is looked after the office. Constitutions of YGH are given below:-

S. no	Name	Post	No
1.	Dr. K. Sharmila	Administration Warden	01
2.	Dr. Manjari Raj Oraon	Warden	01
3.	Dr. Shanu Singh	Warden (Charge not taken till date)	01
4.	Ms. Vandana Gupta	Office Assistant	01
5.	Ms. Nisha Pandey	Matron	01
6.	Mr. Sumit Singh	Office Attendant	01
7.	-	House Keepers	03
8.	-	Gardener	01
9.	-	Security Guard	03
10.	-	Gun Man	01

Ashoka Boys Hostel

The hostel is a modern and refreshing building, built with the explicit purpose of offering a stimulating and enriching experience where inmates can learn to 'learn for life'. The caring and understanding support staff including assistants, housekeepers, gardener and maintenance staff, warden and of course the Dean Students Welfare pay special attention to the hostel inmates.

Objectives

Life in a hostel means a whole panorama of experiences that span from making 'friends for life', to gaining the confidence to face life independently. That is why we have laid a lot of emphasis in creating a warm, welcoming, invigorating and home-like atmosphere in our hostel. The hostel is a home away from home, where the inmates develop the 'confidence to be independent', be it friendships, food, belongings, rooms, joys, sorrows, challenges or any of the uncountable experiences of growing-up together.

The hostel is committed to develop thinking of global citizenship amongst the inmates. Through its various endeavors it encourages inmates to think beyond local, regional and divisive lines.

Facilities

The hostel has four storied building with lush Green, serene, pollution-free premises. Rooms are airy and spacious with good natural light and a balcony, catering the needs of inmates on double occupancy basis. The rooms are equipped with beds, study tables, ward robes, lights, and fans. The hostel has staffs that make sure that everything runs smoothly and look after the welfare of the inmates. The notice board is provided in the hostel visiting lounge to apprise the inmates for any notice forwarded to them. The overall charge of student's discipline and hostel administration vests in the Warden, DSW and the Proctor. The accommodation is being provided by the Dean Students Welfare office on the University entrance merit basis of the students.

The hostel has a dining hall with a sitting capacity of sixty students. The mess has privatized. Joining the mess is compulsory in the hostel. The mess provides good and healthy food to the inmates in order to maintain the culture of the university the mess menu is changed every month keeping in view of the requirements of different inmates from diverse backgrounds.

Other facilities are

1. AC Common Room
2. Study Hall
3. AC Parents Guest Room
4. Water geysers
5. Water Cooler with RO
6. LED T.V. with HD set top box
7. Indoor games room
8. Badminton Court
9. Wi- Fi
10. Medical facility available
11. On demand Ambulance facility
12. Disable Toilet for handicapped Inmates
13. Newspaper, Magazine facility
    i. Amar Uajala
    ii. Times of India
    iii. Dainik Jagran
    iv. Front Line
    v. India Today
    vi. Pratiyogita Darpan

Hostel Office

In order to facilitate the administration and other day to day affairs, the hostel has office with support staff including one D.E.O. (Data Entry Operator) one office assistant, eight housekeepers, two Peon and security guard.

Administrative : Dr. Subhash Kumar Yadav

Warden

Warden : Dr. Sudipta Saha

Warden : Dr. Kunwar Surendra Bahadur

Warden : Dr. Loknath 306 307

Kanishka Boys Hostel

Objective

Kanishka Boys Hostel is functioning since 2012. The hostel is committed to change the mindset of the inmates and orient them towards ethos of 'cultural relativism' by means of inculcation of rational thinking and logical understanding beyond local, regional and fragmented lines. To develop universal thinking and scientific temper the hostel administration has been determined and dedicated for providing healthy living and global thinking to the inmates.

Facilities: Kanishka Boys hostel has been provided following facilities:-

Dining Hall- Furniture to accommodate sixty students at a time and insect killer machine has been provided. The student co-operative mess has providing good and healthy food to the students at a very reasonable rate.

Potable Water- Nine water coolers fitted with R.O. Plant have been installed to provide safe potable water to the inmates.

Common Hall- Common hall is there and 36 inch LED HD TV and a beautiful sofa with centre table have been given.

Parents/Guest Room- Hostel provided a parents and guest room with fully AC and one beautiful bed with mattress, bed sheet, blanket, pillow, beautiful sofa with centre table and other needful facility have been given.

Dormitory- One Dormitory is also there with fully AC and two beautiful beds with mattress, bed sheet; blanket, pillow, beautiful sofa with centre table and other needful facility have been given.

Games and sports- There are in-door and out-door games facilities in the hostel which include Table Tennis, Badminton, Chess, Carom, Ludo, Volleyball, Football and Cricket etc.

Gymnasium- A well equipped gym with running machine has been provided.

Security- One Security Guard always present in 24 hours.

Internet- Hostel is a place with WI-FI facilities. It has been there since last Three year and the system has been working well.

Hostel Office- The hostel office staffs consisting of support staff including one data entry operator, one office attendant and four housekeepers.

Hostel Warden

Dr. Anil Kumar Yadav	Administrative Warden
Dr. Mukesh Kumar Awasthi	Warden
Dr. Ravi Kumar Gupta	Warden

Chitralekha Girls Hostel

A. Name of Hostel: Chitralekha Girls Hostel.

B. Brief Description of Chitralekha Girls Hostel:

Chitralekha Girls Hostel spread over vast area and surrounded by green cover, encompassing gardens has been providing fuel and force to the life and motion of University. The hostel is a double storied building having 52 rooms. Hostel provides residential facilities to bonafide Undergraduate, Postgraduate and Ph. D. students full time in the programme of the University. Mess facility is also available in the hostel mess, privatized but run under the supervision of hostel administration. Nutritious and hygienic meals are provided to ensure Healthy inmates. There are several employees to look after the daily chores in the hostel. The health services are made available to the residents by the University Health Centre located inside the university campus.

C. Facilities available in Chitralekha Girls Hostel:

1. Air Conditioner Guest room-01
2. Dining Hall-01
3. Disable Toilet for Handicapped Inmates-01
4. First-Aid facilities.
5. Games and Sports facilities. (Badminton, Carom, Chess, Tanis)
6. LED T.V. with HD set top box-01
7. On demand Ambulance facility
8. Water Cooler with Water Purifier with R.O. Plant
9. Water geysers-05
10. Wi-Fi connectivity.
11. Security Guard (24 hours) with C C TV Camera around the Hostel.
12. Sanitation Facility
13. Newspaper, Magazine facility such as: i. Amar Ujala
    - ii. Dainik Jagran
    - iii. The Hindu
    - iv. India Today
    - v. Pratiyogita Darpan

Hostel Office and Administration

In order to facilitate the administration and day to day affairs, the hostel has office with supporting staff including one office assistant, one attendant two housekeepers, one gardener, and security guard.

Hostel Warden (Administration): Dr. Monica Sharma

Hostel Warden: Dr. Sandhya

ALUMNI COMMITTEE

Name: Prof. R. B.Ram

Designation: Chairman, Alumni Committee

Date of Appointment: 06-08-2019

Detail of the Progress

Other Activity

Alumni Association/Meet

Third Alumni Meet was held on the occasion of 24th Foundation Day of the University along with a two-day National Seminar on the topic **"Contribution of Educational Institute on Nation Building : A Futuristic Approach"** i.e. on 10th and 11th January, 2020.

Before the organization of Alumni Meet of the University Alumni data have been collected from the all departments. Concerted efforts were made for a great success of the programme. Accordingly, Alumni were approached through E-mail as well as telephonically. However, only 46 Alumni have registered (online and offline both) so far.

During the 8th convocation of the University held on 11th November 2019, Alumni Feedback forms were also provided. Thus, total of 345 feedback forms were filled up and collected during dress code distribution. Most of the Alumni were passed out in the year 2018-19.

As per society Act, registration of Alumni Association of BBAU is concerned, it has not been registered so far. However, effort is being made to get it registered as early as possible, moreover the matter is under process of registration.

Presently, following officials are associated with alumni association of BBAU, Lucknow.

1. Prof. R.B. Ram as chairman of the Alumni committee
2. Dr. Baljeet Srivastava as convener of the Alumni committee
3. One office Assistant

Future plan

1. Strengthening the Alumni Association in terms of life memberships, financial support through Alumni fund/Alumni Endowment fund for smooth functioning of the Association, organization of Annual/ biennial Meet/ to discuss the various issues cratering to Alumni Meet etc.
2. Provision of independent Alumni Association office.
3. To monitor the progress of Alumni Association quarterly basis.

COMMITTEE OF BASIC FACILITIES FOR WOMEN (CBFW) & GENDER CHAMPIONS COMMITTEE (GCC)

University hasCommittee of Basic Facilities of Women(CBFW), which strives to provide basic sanitation, accommodation and other facilities like health and overall well being of women faculty and employees.

The committee is as follows:

1. Prof. Shilpi Verma, DLIS, Chairperson
2. Dr. U V Kiran, DHDFS, Member
3. Dr. Suman Mishra,DZ, Member
4. Dr. Rachana Gangwar, DMCJ, Member
5. Dr. Sangeeta Chauhan, DE, Member
6. Dr. Namita Jaisal, DH, Member
7. Ms. Madhu Patel., Estt. Section, Convener & Member

Gender Champions Committee (GCC) at BBAU has been set under UGC's guidelines topromote gender equality and to create a more gender sensitized environmentin the university campus. The committee is headed by Prof. Shilpi Verma, othermembers are Dr.U.V.Kiran, Dr. Jaya Srivastava, Dr. Sandhya, Dr. Namita Jaisal, Dr. Subhash Mishra, Dr. Vinit Kumar and Dr. Rachana Gangwar is the Memberand Convener. The gender champions of the university are Rohini Dahiya, Poorvi Singh and Abhishek Agnihotri as gender champions was selected in the month of Sep 2019.

As per the guidelines of UGC our Gender Champion Committee conductedvarious events. These events included Introductory session, Poster making competition, Essay writing competition, Extempore competition and Run forgender equality .

- Gender Sensitization Program Were organized in all boys and girls hostels from 26th Aug. to 31st Aug. 2019
- Awareness campaign about Nutrition to children and women on celebrating Nutrition Month (11th Sep. 2019) in Miranpur Pinvat Village (one of adopted village under UBA).
- Organized extempore and Group discussion for selection of Gender Champions on 18th Sep 2019.
- Organized Balika Jagrukta Abhiyan in Aurava villaga on International Day of Girl Child on 11th Oct. 2019.
- Orientation programme was organised by Gender Champions in all the depts. From 8.11.19 to 17.11.2019
- Organised poster competition and essay writing competition on the topic creating positive gender socialization (19th Nov. 2019)
- Extempore competition was organized by Gender Champions committee on (29th Nov. 2019)
- Organised Run for Gender Equality by Gender Champions committee on (29th Nov. 2019)
- Organised Awareness camp in Rajnikhand slum on 24th Jan. 2020 on the occasion of National Girl child Day by Gender Champions committee
- Organised tableau on EBSB, Gender Champions committee and UBA on 26th Jan 2020
- Organized various competitions from 16th to 31st Jan 2020 under swachatta pakwada like poster making, slogan competition, rangoli competition, elocution competition, best out of waste competitions etc.
- Organised swa rachit kavita path on the topic "Stri Vimarsh" 13th Feb 2020 by Gender champions committee, BBAU
- Round table conference on Women Empowerment organised on (6th March 2020)
- Organised slumawareness camp on 8th March 2020 in Rajni khand slum by Gender champions committee and committee of basic facilities of women.

UNIVERSITY WORKS DEPARTMENT

Composition of the building committee for the financial year 2019-2020

S.No.	Name/Designation of the members	Status	Address
1.	Vice-Chancellor, BBAU	Chairman	BBAU
2.	Prof. BhumitraDev, Former Vice- Chancellor, in his capacity as Member Planning Board, BBAU	Member	146, GA, Shakti Nagar, Behind Gupta Atta Chakki, Lucknow-226016
3.	A representative of the user department	-do-	BBAU
4.	Prof. D.P. Singh, BBAU (Prof. nominated by Vice-Chancellor)	-do-	Department of Environmental Science, BBAU, Lucknow
5.	Prof. KameshwarChoudhary, BBAU (Prof. nominated by Vice-Chancellor)	-do-	Department of Sociology, BBAU, Lucknow
6.	Finance Officer	-do-	BabasahebBhimrao Ambedkar University, Lucknow
7.	Director, University Institute of Engineering & Technology, BBAU	-do-	BabasahebBhimrao Ambedkar University, Lucknow
8.	Chief Engineer, (NZ)-II, CPWD or his representative	-do-	3rd floor, KendriyaBhawan, Sector-H, Aliganj, Lucknow
9.	Er. V.B. Singh, Retd. Superintending Engineer (Civil), U.P. Power Corporation Ltd.	-do-	4/125, Vishal Khand, Gomti Nagar, Lucknow-226010
10.	Executive Engineer (Electrical), Lucknow Central Electrical Division, CPWD, Lucknow	-do-	2nd floor, KendriyaBhawan, Sector-H, Aliganj, Lucknow
11.	Er. V.K. Niranjan, Engineer-in-Chief (Project), Irrigation Department	-do-	Office of the Engineer-in-Chief, SinchaiBhawan, Cantt. Road, Udaiganj, Lucknow
12.	Executive Engineer, BBAU	-do-	BabasahebBhimrao Ambedkar University, Lucknow
13.	Chief Architect, UP Public Works Department, or his nominee	-do-	NirmanBhawan, opposite Governor House, Luckow
14.	Chief Architect (NZ-II)/ Senior Architect (NZ)-II, Central Public Works Department, Lucknow	-do-	6th floor, KendriyaBhawan, Sector-H, Aliganj, Lucknow
15.	Prof. Deepa H. Dwivedi, Co-ordinator, Garden & Beautification Section, BBAU	-do-	BabasahebBhimrao Ambedkar
16.	Prof. B. B. Malik, Prof.-in-Charge, (Engineering Section)		BabasahebBhimrao Ambedkar University, Lucknow
17.	Registrar, BBAU	Member Secretary	BabasahebBhimrao Ambedkar University, Lucknow

Status of Financial & Physical Progress of works awarded to C.P.W.D. during financial year 2019-20

S. No.	Name of Project regarding construction (Excluding minor repairs)	Approved allocation In Rs in Lakhs	Funds released up to financial year 2018-19 In Rs in Lakhs	Funds released during 2019-20 In Rs in Lakhs	Status of work as on 31-03-2020
1.	Construction of Students Activity Centre	987.22	507.00	91.67	60% work are completed
2.	Construction of 100 seated OBC Boys' hostel	328.00	32.80	76.53	10% work are completed
3.	Construction of 100 seated OBC Girls' hostel	328.00	32.80	76.53	25% work are completed
Total-				244.73	

Various Works Undertaken Directly by the University

Civil Works

S. No.	Name of Work	Value of work done in Rs.	Status of work	Work Order No./ Supply Order No.
1	Repairing of PVC sliding doors shutters of Toilet of SBBT (Phase-1)	15630.00	Completed	File No.5(589)/2018- Part-3
2	Construction of Aluminum grill on window and locks of Computer Lab of DRM	10133.00	Completed	File No.5(700)/2018
3	Replacement of damaged Aluminum window glass of Department of Home Science, Legal & RCA	11196.00	Completed	File No.5(457)/2015
4	Supply of PTMT fittings of Ambedkar Bhawan	45450.00	Completed	File No.5(699)/2018
5	Replacement of damaged door shutter of VVIP Guest House, Flat No.-A-1/0-1 & Structural Glazing of Dining Hall of Guest House	16098.00	Completed	Letter No.5(571)/2016
6	Painting and Maintenance work of Flat No.A-2/2- 1 of Prof. Gopal Singh, Flat No.A-2/2-2 of Prof. GovindJiPandey& Flat No.A-2/1-1 of Prof. B.N. Dubey	170819.00	Completed	File No. 5(326)/2011- Part-1
7	Replacement of old sliding door bolt by new M.S. sliding door bolt of Department of Home Science	4600.00	Completed	File No.5(460)/2019 Part-2
8	Construction of Interlocking paver block path at parking entrance of Central Library	60032.00	Completed	File No.5(580)/2016 Part-3
9	Maintenance and painting work at SAS & SBBT	52343.00	Completed	File No.5(443)/2017 Part-2
10	Installation of Lab sink, kitchen sink & washbasin in Chemistry, Microbiology, Home Science (Bakery Lab) &Deptt. of Eduction	25080.00	Completed	File No.5(674)/2018 Part-2
11	Supply of Wooden Takhth of V.C. Residence	5000.00	Completed	File No.5(708)/2019
12	Maintenance and Construction of Collapsible Steel shutter and M.S. grill of Cafeteria	269906.00	Completed	File No.5(657)/2018 Part-1
13	Internal & External Painting and Maintenance work of V.C. Residence (Phase-I)	263829.00	Completed	File No.-5(683)/2018
14	Additional Maintenance work of V.C. Residence	149338.00	Completed	File No.
15	Maintenance and Replacement of damaged Curtains, Cushion covers and Accessories etc. in V.C. Residence	145212.00	Completed	File No.5(683)/2018
16	Maintenance of damaged shutters of Mumtyfor Security and Safety in Solar Panel in Yshodhara Girls Hostel	14455.00	Completed	File No.5(688)/2018
17	Repairing in maintenance of various work of V.C. Residence-cum-camp office	9550.00	Completed	File No.5(196)/2014 Part-6
18	Cleaning and Polishing of of Ambedkar Statue	96969.00	Completed	File No.5(627)/2016
19	Making opening and fixing of door in wall of Toilet of HoD's Education (SBBT-II) and Dr.Kushendra Mishra (SBBT-III)	19840.00	Completed	File No.5(457)/2019
20	Supply of Plumbing goods for maintenance of BBAU campus	348480.00	Completed	File No.5(475)/2016 Part-2
21	Aluminum partition work at Room and Lab of Dr.GauravKaithwas, Deptt. of Pharmacy (SBBT-III)	67756.00	Completed	File No.5(689)/2019
22	Supply of First quality Acrylic distemper and Synthetic enamel paint for Internal Painting of various Boys and Girls Hostel	549261.00	Completed	File No.5(710)/2019 Part-1

23	Internal Painting work of Ashoka Boys Hostel (Phase-I), Ashoka Boys Hostel (Extension), Shidhartha Boys Hostel, Chitralekha Girls Hostel, Yshodhara Girls Hostel and Sanghmitra Girls Hostel (Phase-I) of BBAU Campus	2378286.00	Completed	File No.5(710)/2019 Part-1
24	Maintenace of Ashoka, Kanishka, Shidhartha Boys Hostel and Yshodhara, Sanghmitra and Chitralekha Girls Hostel	569078.00	Completed	File No.5(710)/2019 Part-1
25	Reaping of damaged Granite stone and Floor tiles of Chitralekha Girls Hostel	68523.00	Completed	File No.5(477)/2014
26	Sewer Pipelines for Auditorium to Playground and Sewer Pipelines of Back-side of LL.M. Hostel and Water supply PVC pipe for Suit No.-1 & Suit No.- 2 in Girls Hostel at BBAU Satellite Campus Amethi	134302.00	Completed	File No.5(658)/2018
27	Repairing of Aluminum door shutter and fixing of float glass pans on window of Deptt. of Political Science at 2nd floor of SAS building	9200.00	Completed	File No.5(457)/2015 Part-2
28	Repairing and Maintenance of various work of V.C. Residence-cum-Camp Office	7300.00	Completed	File No.5(196)/2014 Part-6
29	Construction of Water disposal 150mm dia P VC pipe channel with chamber at V.C. Residence	35519.00	Completed	File No.5(196)/2008 Part-5
30	Second & Final Bill of Construction of Pond for running B.Voc Course	800000.00 (Part payment)	Completed	File No.5(635)/2017
31	Repairing of Solar Water Heater of V.C. Residence	14986.00	Completed	File No.5(196)/2008 Part-3
32	Maintenance of Gate and Rain-water-pipe of V.C. Residence	9378.00	Completed	File No.5(457)/2019 Part-3
33	Construction of Shed of Polycarbonate sheet for Washing machine at Terrace of V.C. Residence	9700.00	Completed	File No.5(196)/2002Part-2
34	Cleaning of vertical blinds of V.C. Residence	3105.00	Completed	File No.5(743)/2019
35	Supply and fixing of Flex banner for 8th Convocation of BBAU	34556.00	Completed	File No.5(729)/2019 Part-2
36	Maintenance of Auditorium	466925.00	Completed	File No.-EO/BBAU/120
37	02 Nos. of Opening and Passage at SES Lawn for the Occasion of Convocation	19836.00	Completed	File No.5(729)/2019 Part-3
38	Repairing of False-ceiling Dining hall and Connecting Rain-water-down-pipe of Guest House	180775.00	Completed	File No.5(771)/2016 Part-1
39	Construction of M.S. Grill on opening and Security wall to prevent the Dogs into Ashoka Boys Hostel	53578.00	Completed	File No.5(624)/2016
40	Supply of Water dispenser	7500.00	Completed	File No.5(708)/2019
41	Supply and fixing of Flex banner of 24th Foundation Day of BBAU	7363.00	Completed	File No.5(253)/2007
42	Construction of M.S. Caging for Water-coolers at Kanishka, Ashoka, RCA and Ashoka Extension Boys Hostel	286643.00	Completed	File No.5(711)/2019
43	Maintenance of M.S. rolling shutter at Basement of Central Library	9000.00	Completed	File No.5(580)/2016 Part-4
44	Maintenance of Sofa, Centre Table, Stool and Commode seat cover at V.C. Residence	8322.00	Completed	File No.5(196)/2008 Part-5
45	Cleaning and Maintenance of Sand Stone Canopy of Ambedkar Statue	351264.00	Completed	File No.5(714)/2019
46	Supply of Paint for Paining of Kerb Stone	22785.00	Completed	File No.5(636)/2017 Part-1
47	Deployment of Painter	17842.00	Completed	File No.5(636)/2017 Part-1
	Total	7856743.00		

Electrical works

Sr. No.	Name of Work / Supply	Total Expenditure (In Rs.)	Status of Work	File Details
1	Supply and Installation of Electrical goods for Cafeteria near SES Building	24,187.00	Completed	5(535)/2014 Part -1
2	Cleaning and Maintenance of Sand Stone Canopy of BabasahebBhimrao Ambedkar Statue along with lighting work around statue & pathway	2,40,115.00	Completed	5(714)/2020
3	Supply of Electrical Goods at BBAU Campus Lucknow	4,35,130.00	Completed	9229/R
4	Cable fault repairing of old Statistic Dept. /Basic Facilities for women	15,102.00	Completed	5(27)/Elect./16 2779/R
5	Repairing & Rewinding of High Booster pump-500 LPH	9,500.00	Completed	5(03)/2016/Elect.
6	Supply & Laying of XLPE Cable at newly built conference hall near RCA Building, BBA University, Lucknow	73,640.00	Completed	5(412)/2015-Part-2
7	CCTV Camera at newly built at VC camp office	46,200.00	Completed	5(86)/Elect./2017 11175/R
8	Pump maintenance work	57,820.00	Completed	5(03)/2016/Elect.
9	Shifting of DG-set to SES Building, BBAU campus	64,674.00	Completed	5(106)/2018/Elect.
10	Supply of ceiling fans for Hostels	84,370.00	Completed	5(535)/2015 Part-2 5814/R
11	Electrical Maintenance Work of Boys Hostel	2,54,490.00	Completed	5(116)/Elect./2019 097/2
12	Painting & Maintenance of V.C. Residence	44,566.00	Completed	5(683)/2018
13	Servicing of New DG Sets BBAU University	64,674.00	Completed	5(106)/Elect./2018
14	Inverter Repairing Work	7,680.00	Completed	5(29)/Elect./2018
15	Servicing of 320 KVA DG Set installed at Ambedkar Bhawan at BBAU Campus.	35,317.00	Completed	5(117)/Elect./2018
16	Pump Maintenance Work	14,520.00	Completed	5(3)/Elect./2016 7921/R
17	V. C. Residence Camp Office Electrical Maintenance Work	9,600.00	Completed	5(9)/Elect./2016 821/2
18	Geyser repairing work of Guest House	9,912.00	Completed	5(27)/Elect./2016
19	Cable joint work near SES ground	4,580.00	Completed	5(27)/Elect./2016
20	Hiring of Sound System and DG Set at Convocation	1,52,810.00	Completed	EO/BBAU/147
21	Supply of LED Jhalarfor decoration of University Campus	24,072.00	Completed	5(15)/Elect./2016
22	Purchasing of wore for maintenance work	21,060.00	Completed	5(27)/elect./16 12779/R
23	Maintenance of DG Set at Amethi Campus	1,10,000.00	Completed	5(65)/Elect./16 Part - III
24	Supply of Electrical goods for Auditorium	65,990.00 +20,580.00	Completed	5(96)/Elect./2017 12389/R
25	Repairing of CCTV Camera of Hon'ble VC Residence / Camp Office	6,844.00	Completed	EO/BBAU/87 12135/R
26	Repairing of CCTV Camera of Hon'ble VC Residence / Camp Office	4,814.00	Completed	5(27)/Elect./2016
	Total Amount (Rs.)	**19,02,247.00**		

Miscellaneous works

1. Civil and electrical maintenance works were undertaken by the Engineering department of the University from time to time depending upon the requirement.
2. The water supply of the campus was maintained through own tube wells and similarly, the electric supply of the campus was maintained through 11/ 0.4 KV sub-station in the campus.
3. Proposal for additional requirements were prepared and sent to U.G.C. for consideration.
4. Meeting of the Building Committee was convened and support was given for other statutory body meetings.

All these achievements were made with very limited staff strength in the Engineering department.

GAUTAM BUDDHA CENTRAL LIBRARY

1.0 Brief Note of the Library

The Central Libraryof Babasaheb Bhimrao Ambedkar University (BBAU), Lucknow has named as Gautam Buddha Central Library after the name of LordGautamBuddha. The Library was established in January 1998 to promote knowledge and its application through effective dissemination of knowledge and information.

The Library is governed by LAC (Library Advisory Committee). The LAC is an apex policymaking body which functions under the chairmanship of Vice-Chancellor. Presently, followings are the member of LAC:

1. Hon'ble Vice-Chancellor or his/her Nominee-Chairman
2. Prof. Arbind Kumar Jha - Member as a Dean
3. Prof. Shubhini A. Saraf - Member as a Head
4. Prof. K.L. Mahawar - Member as a Neither Head nor Dean
5. Prof. S. Victor Babu - Member as a Faculty
6. Prof. Preeti Saxena - Member as a Faculty
7. Librarian IIM Lucknow or SGPGI - Member Special Invitee
8. Dr. Sunil Goria – Member & Secretary.

The Library provides information services and facilities to meet the requirement of the teaching, research and training programs of the University. During the period, the Library was opened for 279 days for the users'. The seating capacity of the Library is more than 300 users at a time. The library services are also open for the university staff and visitors. The Central Library has been adapting new technologies strategically for providing web-based information services to the library users. The Library is member of 'E-ShodhSindhu' National Consortium for Higher Education Electronic Resources of INFLIBNET (Information and Library Network), Gandhinagar. Presently, collection of the Library is 57577 documents and it provides access to 7820 full-text online journals.

1.1 Location

The Library has been functioning in its two floors of newly constructed four storied building which is the central place of the University. The Library building consists of an area of 7917 sq.m.

1.2 Opening Hours

The Library remains open on each working day from 8:00 AM To 8:00 PM for its readers. On Saturday and Sunday (during exam period), it opens from 9:30 AM to 6:00 PM. The reading rooms of the Library open from 8:00 AM to 11:00 PM and during examination period it opens 18 hours in a day.

1.3 Sections of the Library

1.3.1 Acquisition Section: This section is responsible for the acquisition of all the books, monographs, government documents, gifts and other reading material relevant to the requirements of teaching and research programs of the University. The section helps the faculty members in selecting the new documents for procurement in the library through the latest announcements, publisher's catalogues and bibliographies. During the year 2019-20, the section has acquired 4138 documents. The total collection available in the Library is 57577 books/ documents. The details of books/collection are mentioned in the Table-1.

S. No.	Items	Total
i.	Total Number of Books/collection in the Library as on 31/03/2019	57577
ii.	Books Purchased during the year 2019-20	4138
iii.	वर्ष 2019–20 के दौरान खरीदी गयी हिन्दी पुस्तकों की संख्या	318
iv.	Books Received by Donations (Gratis)	210

1.3.1.1 Procedure forPurchasing of Book: The following procedure has been adopted for procurement of books for the Library.

- **Through Recommendation**: Book recommendation forms duly filled by the university faculty with signature by 50% faculties of the department and duly forwarded by the concerned Head of the Department are required for purchasing of books.
- **Through Book Exhibition:** Book Exhibitions organize by the Gautam Buddha Central Library time to time. Faculties, Research Scholars and Students select books during the Exhibition. Further, departments complete recommendation formalities for purchasing of the selected books.

- **Empanelment of Vendors:** The Library empanels vendors for every two years on certain terms and conditions. The recommended books are purchased form empanelled vendors.

1.3.2 Technical Section: After the acquisition of the documents, the technical processing work i.e. classification and cataloginghas been done by technical section for easy access of the documents. The classification of documents has been carried outthrough DDC 23rd edition. During the year the section has processed 4348 documents. World Cat of OCLC has also been used for classification and cataloguing of the documents.

1.3.3 Circulation section: The section provides membership to the students, faculties and other staffs of the University. The books are issued from circulation section to the Library users according to their privileges (Table-3) on all the working days. The section has enrolled 2880 members of the library in the year 2019-20. The details of membership are mentioned in Table-2. The books issued and consulted are mentioned in Table-4.

1.3.4 Periodical section: The section subscribes journals, newspapers, and magazines. The section subscribed 43 magazines and 23 newspapers for the year 2019-20. An amount of Rs. 28651 was spent on newspapers during the period. The section has a seating capacity of the 50 students at a time where they have offline access to various journals, reports, faculty publication, magazines, and newspapers, etc. During the period, 9193 users visited in the section. The Library has received 34journals through gift. The details of periodicals are given in Table-5.

1.3.5 Cyber Section: Cyber section has a total number of 25 computers. The Library has Wi-Fi enabled access to the internet where the users access the e-resources subscribed by the Library. During the year 2019-20, 8920 students visited in the section.

1.3.6 Thesis and Dissertation Section: The Library has a separate theses section to organize the thesis collection of the University. A total number of 1692 thesis (499) and dissertations (1193) areavailable in this section of various departments of the University. A total number of 103 thesis and dissertations are processed during the year. During the period, 214 visitors visited the section. The section has submitted 201 e-Thesis in the Shodhganga repository of INFLIBNET.

1.3.7 Braille Section: The Central Library is well equipped with the facilities for the PWDs (Person with Disabilities i.e. Divyangjan) students and staff. The library has two ramps in both sides of entry gates of library for the PWDs.The library has two lifts for moving one to another floor of the library that gives priorities to convenient PWDs. The library has setup a Braille Section for the visually differently abled and low vision students for providing them reading and listening facility in their studies with the help of following equipment, hardware and software:

Table 2: Membership of the Library

S. No.	Type of Membership	Male	Female	Total
1	U.G. Students	548	352	900
2	P.G. Students	846	746	1592
3	Ph.D. Scholars	81	62	143
4	M. Phil Scholars	14	13	27
5	Faculty	105	37	142
6	Non-Teaching	69	7	76
Grand Total		1663	1217	2880

Table 3: Borrowing Privileges

S.No.	Category	Privileges	No. of Days
1.	Faculty	8	One Semester
2.	Group "A" Officials	3	30
3.	Research Scholars PhD.	4	15
4.	Research Scholars M.Phil.	3	15
5.	PG/UGStudents	2	15
6.	Others	2	15

Table 4: Circulation Transactionyear 2019-20

S. No.	Items	Total
1	Book issued during the year 2019-20	19,687
2	Books consulted in the Library	77051
3	Users consulted the Library	1,14,893
4	Overdue Charges collected	Rs. 91,641
5	Total Membership as on 31/03/2020	2880

Table 5: Print Magazines, Newspapers and Journals

S. No.	Items Currently Available (2019-20)	Language			Total
		Hindi	English	Urdu	
01	Newspapers	12	9	2	23
02	Magazines	13	30	-	43
03	Print Journals	9	105	-	114
04	Print Journals (Gifted)	10	24	-	34
05	Annual Reports & Survey	4	22	-	26
06	Faculty Publications	2	27	-	29

Table 6: Braille Equipments

S. No.	Braille Equipments Available in the Central Library	Qty.
1.	Brailler	2
2.	Next Generation Brailler	2
3.	Screen Reader with Super Nova Software for Magnifier & Book Reader with Speech.	3 users
4.	Large Print Key Board	5
5.	Clevy Keyboard	5
6.	Desktop Video Magnifier with Speech (with 17" or above coloured monitor)	1
7.	Refreshable Braille Display (40 cell) with 32 GB SDHC card	1
8.	Daisy player & Recorder with Hindi TTS	5
9.	Close-up & Near Distance Digital magnifier with image saving 5HD	4
10.	Mouse magnifier	4
11.	Thermoform Machine with 200 Braille on Sheets	1
12.	Computer System with Installation of Speech Software with Internet Connectivity.	5

The Braille section also opens for the students/ people from the other universities and colleges. The library publicized its Braille services among nearby universities and educational institutions in Lucknow.

2.0 Facilities and services available in the Library

2.1 Reprography or Xeroxing: The Library provides Xerox facilities in the library premises at a nominal cost of Rs.0.50 per page through private firm. Print out from digital files has also been provided through this service.

2.2 Circulation: The issue and return of the documents service is provided to the users from the circulation counter of the Library.

2.3 Document Delivery Service (DDS): Library provides a hard/soft copy of articles to the users under DDS.

2.4 Hindi Prakosth: The Library also extended its services in the form of *'Hindi Prakosth'* for encouraging use of Hindi collection of books.

2.5 Email Alert: The Library uses emails i.e. **centrallibrary.bbau@gmail.com** and **circulation.gbl@gmail.com** to provide alert services such as overdue of books, etc. to the users.

2.6 E-resources access service: E-Resources access facility has been provided to the University fraternity through Cyber section of the Library using Wi-Fi enabled internet. All the e-Resources are also accessible in the BBAU Campus i.e. from departments, laboratories, offices etc.

2.7 Reference service: The reference service is provided to students, faculties & other users for locating of required documents and consultation of various digital resources of the library.

2.8 Research Floor: This service started for the research scholars and the faculty members of the University. Presently, this section has seating capacity for 30 scholars and faculty. The section opens up to 11:00 PM on all working days.

2.9 Toppers' corner: This service is unique in its nature. The answer sheets of the students, who are the topper in their department, are kept in this section for the consultation by the library users.

2.10 New Arrival: TheLibrary has been providing new arrival facility through display of the newly acquired documents.

2.11 Faculty Publication: This service dedicated to the faculties of the University, where they can display their research publications. The 29 articles includingbook chapters have been displayed in the section during the year.

2.12 Plagiarism checking: The Library is a member of 'Shodhganga' project of INFLIBNET. Plagiarism detection software (i.e. Urkund) facility has been provided to the Central Library through INFLIBNET. The Library has been checking plagiarism/similarity fore-thesis and e-articles of the University fraternity. During the year, the plagiarism of 1278 documents has checked through Urkund.

2.13 Information Literacy Program: Under information literacy program, various trainings have been organized by the Library for students, research scholarsand faculties of the University.

- The Library has organised workshop on **'Reference Management Software'** on 10/06/2019. In the workshop, total 60 research scholars and faculties were participated. The workshop covered how to install and use the Mendeley software for management of references, full-text documents and social networking.
- The Library has organized **'Author Workshop by Taylor and Francis'** on 09/08/2019. In the workshop, 65 faculties and research scholars were participated.

  The workshop covered orientation of authors for writing of articles and books.
- The Library has organised Book Exhibition in **'International Library and Information Professionals Summit'** which was held from 22nd November 2019 to 24th November 2019.
- The Library has organised **'Training on J-Gate'** on 25/02/2020. In the training, total 70 students and faculties were participated. The training covered how to use the J-Gate database for retrieval of information from various online resources.

2.14 Library Automation: The Library is partially automated by using an Open Source Software namely KOHA. Automation work in several sections such as circulation, technical and periodical section has been started with the help of KOHA. Bibliographic information of most of the library books have been entered in the database. The Library catalog through Web-OPAC is accessible for the users from the web address http://14.139.228.238/. The Library has been working forfully automation of the library in-house activities.

2.15 Website of the Gautam Buddha Central Library: The Library has developed a website of the Gautam Buddha Central Library. All the e-resources of the Library have been integrated with the website for easy access to the users. The website is accessible through http://14.139.228.238. During the period 24783 online visitors visited the website.

2.16 Use of e-Resources: The usage of e-Resources has been obtained from InfiStats of INFLIBNET. The data shows that during the period, 81477 documents/articles have download/usedin the University from various e-resources provided by the INFLIBNET under e-ShodhSindhu consortium (Table-7).

2.17 BBAU Institutional Repository: Institutional Repository of Babasaheb Bhimrao Ambedkar University (BBAU) has been developed bycovering of research publications of BBAU in the form of articles, thesis, dissertations, annual reports, etc. In the repository, 419 theses and dissertations are uploaded. During the year, 103 thesis and dissertations are uploaded in the repository. Users may access the repository from the web address http://14.139.228.232:8080/jspui.

3.0 Online E-resources

The Library provides access to 2 bibliographic databases (Table-8) and full-text databases (Table-9) in various subjects like Science, Social Science, Arts &Humanities, Engineering, Law, etc. to the

University fraternity through E-ShodhSindhu. During the period, the access of approximately following 7820 full-text e-journals has been provided to the users. The trial access of databases is mentioned in table-10.

4.0 The Library at a Glance

The statistics at a glance of the Library for the year 2019-20 has been given in the following table-11.

5.0 Library Staff

i. Dr. Sunil Goria, University Librarian – Overall administration, supervision and management of the University Library System, Implementation of ICT in the Library, etc.

ii. Mr. Om Prakash Saini, Assistant Librarian - In-charge of Periodical Section,Circulation Section, Photocopy Service, Braille Section and Maintenance of the Library.

iii. Mr. Nitesh Kumar Verma, Assistant Librarian-In-charge of Acquisition Section, Reference Section, Cyber Section, Library Websites, CCTV, Library Automation work and Maintenance of the Library.

iv. Mr. Amit Kumar Verma, Professional Assistant, All job related to circulation Section i.e. registration of members, issue return of books, overdue reminders, reference service.

v. Mrs. Rina Kumari, Library Assistant - Assist in Acquisition and Technical Processing,

vi. Mrs. Avinash Kaur, Library Assistant - All job related to circulation Section i.e. registration of members, issue return of books, overdue reminders, reference service.

vii. Mrs. Satvinder Kaur, Library Assistant -All job related to circulation Section i.e. registration of members, issue return of books, overdue reminders, reference service.

viii. Mr. DayaShanka, Library Attendant – Replacement of books.

ix. Mr. Deewan Singh, MTS.

Table 7: Usage of e-Resources

Resource/Months	American Chemical Society	Institute of Physics	JSTOR	Nature	Oxford University Press	Project Muse	Science Direct	Springer Link	Taylor and Francis	Wiley-Blackwell	JCCC	Total
Mar-20	437	68	1462	297	210	13	1559	1389	527	466	906	7334
Feb-20	481	48	1506	402	230	11	1464	1526	635	413	2110	8826
Jan-20	563	52	1434	248	151	16	1377	1096	695	398	47	6077
Dec-19	698	70	1777	308	183	5	1723	1329	743	440	131	7407
Nov-19	766	80	1191	415	192	17	1632	1428	804	413	863	7801
Oct-19	771	73	1467	329	237	13	1535	1252	635	428	610	7350
Sep-19	355	38	732	166	121	3	1088	869	429	261	393	4455
Aug-19	481	63	1083	318	266	11	1580	1596	497	581	166	6677
Jul-19	718	107	1864	256	348	10	1840	1211	485	778	38	7709
Jun-19	271	17	975	92	66	26	398	1100	539	311	101	3896
May-19	828	32	2366	168	176	29	690	1081	705	550	333	6958
Apr-19	772	40	1860	127	180	41	827	1561	735	605	239	6987
Total Downloads	**7141**	**688**	**17717**	3126	**2360**	**195**	**15713**	**15438**	**7429**	**5644**	**5937**	81477

Table 8: Bibliographic Database

S. No	Name of the Bibliographic Database
1.	Institute for Studies in Industrial Development (ISID) Database
2.	J-Gate Plus (JCCC)

Table 9: Full-Text Online Databases

S. No.	E-resources	No of Full-Text Journals
1.	American Chemical Society	72
2.	Economic & Political Weekly	1
3.	JSTOR	3165
4.	Oxford University Press	262
5.	Project Muse	676
6.	Springer Link	2565
7.	Taylor and Francis	1079
	Total Full-Text Journals	7820

Table 10: Databases Used on Trial Access

S. No	Name of the Databases Used on Trial Access	From	To
1	Pearson E-Library	31/05/2019	10/06/2019
2	E-Library	31/05/2019	20/06/2019
3	SCOPUS	25/05/2019	31/05/2019

Table 11: Library at Glance

S. No.	Items	Total
1.	Total Number of Books as on 31/03/2019	57577
2.	Books Purchased	4138
3.	[kjhnh x;h fgUnh iqLrdksa dh la[;k	318
4.	Books received by Gratis	210
5.	Full-text online journals accessible	7820
6.	Print Journals Subscribed	114
7.	Newspapers subscribed	23
8.	Magazines subscribed	43
9.	Number of days Library opened	279
10.	Seating capacity of users	300
11.	Number of Registered users	2880
12.	Books issued	19687
13.	Users consulted in the Library	1,14,893
14.	Number of articles/documents downloaded/used from e-Resources	81477
15.	Documents uploaded in Urkund	1278
16.	Expenditure on Books (In Rs.)	5532183
17.	Expenditure on Journals (In Rs.)	508376
18.	Approximate value for received Gratis books (In Rs)	95163

6.0 Publications

6.1 Publications of Sunil Goria

i. Standing Committee Member of Government Libraries Section for 1st Term: 2019-2023, *The International Federation of Library Associations and Institutions (IFLA). Netherland.*

ii. Empowering Indian Citizens under Digital India Program for Sustainable Development: How Libraries can contribute to SDGs? / Paper presented at: IFLA WLIC 2019 - Athens, Greece - Libraries: Dialogue for Change, Session 238 - The Government Libraries, 24th-30th August 2019.

iii. **"Information and Digital Literacy Skills for Empowering Students Community:** A case study of Pharmaceutical Sciences Students". Paper presented at: 8th International Library and Information Professionals Summit (I-LIPS 2019) on Empowering Libraries with Emerging Technologies for Common Sustainable Future, 22nd-24th November 2019, at Babasaheb Bhimrao Ambedkar University, Lucknow, India

6.2 Publications of Nitesh Kumar Verma

i. Verma, Nitesh Kumar & Shukla, Akhandanand. (2019). Usability Analysis of India's Top 20 NIRF Accredited Institution's Library Websites: An Evaluation. In Keshava et al. (Eds.), *9th KSCLA National Conference on "Library in the Life of the User"* (pp. 612- 618). Department of Studies and Research in Library and Information Science, Tumkur University, Tumakuru.

ii. **Resource Person:** Three Day National Workshop on "Open Source Library Management Software (KOHA)" Held at Indian Institute of Technology Jammu on December 19th-21st, 2019.

UNIVERSITY HEALTH CENTRE

The University Health Centre provides comprehensive health services to all the students, administrative staff, Faculty members including dependants, non teaching staff as well as contractual staff of the University. Health services started in the University since 2005 and a Medical Officer Dr. Rakesh Pradhan was hired to provide health services in the administrative block. Later, keeping in view of the increasing numbers of students as well as staff members, a dedicated separate building was constructed which became functional in 2013. Two qualified Medical Officers Dr. Ruchi & Dr. Vikas Srivastava were appointed in 2014 to augment the health services. At present only one Medical Officer is available.

Location

University Health Centre is located in the premises of Vidya Vihar near gate no. 3.

Staff

University Health Centre comprises of :-

1. Prof. Shubhini Saraf - Prof I/C Health Centre
2. Dr. Vikas Srivastava - Medical Officer
3. Dr. Rakesh Pradhan - Medical Consultant
4. Mrs. Raji Joseph - Nurse

Services

Following services are provided:-

i. **O.P.D. Services-** The doctors are always available as per the duty schedule. The needy patient can just walk-in for consultation and treatment. O.P.D. timings are from 08 A.M. to 08 P.M. on all working days.

ii. **Medicines-** Medicines are distributed to all the patients as per University rules.

iii. **Detention room-** Health Centre also provide the facility of detaining the serious patients who requires monitoring for short duration.

iv. **Referral System-** Patients who requires admission/specialized treatment are being referred to authorized higher centres.

v. **Ambulance-** An ambulance along with driver is always present for transportation and early evacuation of the referred patients.

vi. **Organization of camps-** Health centre is actively involved in organizing various blood donation camps (19 Nov 2019)

vii. Apart from routine O.P.D., we also provide healthcare facilities to all the participants as well as guests during various sports events, seminars, symposium organized by our University.

viii. Doctors are also involved in community services via taking classes on first aid, visiting nearby villages and spreading awareness campaign along with various departments & N.S.S. from time to time.

ix. We are in the process of establishing two separate wards (male & female) for better care and monitoring of the patients.

x. We have already installed X-Ray machine along with C.R. System which is ready to use. We are in the process of setting up complete pathological services at our health centre for which we are also in the process of hiring a reputed Pathologist and Radiologist respectively.

xi. We have 01 physiotherapist who also perform their duties accordingly.

xii. We have a Qualified Psychological Counsellor Dr. Neha Anand who also provide her services on every Wednesday to the needy patients.

xiii. A Yoga Centre has been established in the premises of University Health Centre. A qualified Yoga instructor Mrs. Poonam provide her valuable asanas & exercises to benefit to all.

AIM

Our basic goal is to provide all medical i.e. all preventive as well as therapeutic facilities along with alternative medicines under one roof of University Health Centre.

INFORMATION AND GUIDANCE BUREAU (I & GB)

The University Information and Guidance Bureau came into existence since Aug 2007. The main aim of the bureau is to guide students regarding their future careers and guide them to select the suitable profession of their interest. The bureau is to disseminate information for various courses & studies, syllabus etc for higher studies in India and Abroad. Further it is also to render vocational guidance to the students individually or in group and to collect and disseminate the occupational information, Training facilities, financial assistance available in India and abroad; information for competitive examination including counselling for job-aspirants etc. It helps students in many ways:

Main Aims and Objectives of the Information & Guidance Bureau

1. Career guidance

- To collect and disseminate information regarding scholarships, fellowships, training facilities, admission and various professions etc.
- To help the students with availability of various career guidance literature magazine at the bureau.

2. Information about Competitive examinations

- To provide information on competitive examinations conducted by various Public Service Commission and other Governmental agencies

3. Information about Scholarships and higher education in foreign countries

- To give information on various courses of higher studies in India and abroad

4. Employment Guidance & Assistance

- To register post-graduate students and other University alumni for general as well as professional streams for employment assistance a sand when suitable opportunities arise.

5. Employment and Business information

- To help the University Placement cell in organizing campus interviews

6. Self-Employment

- To impart vocational guidance to the students
- To get enterprising unemployed youths acquainted with the facilities and incentives under self-employment scheme for the registered unemployed.

7. Personal Guidance

- Making the students understand their own personality traits. And making them aware of their interest, aspirations, aptitude, strengths and weaknesses.
- Solution of specific personal problems of students.

8. To give information and guidance to the University alumni.

9. To assist in individual problems pertaining to education and Vocation under various Guidance programme.

10. To collect and disseminate occupational Information regarding occupations, Scholarship, fellowships and financial assistance available in India and abroad.

11. To render Vocational Guidance to students individual and in group by maintaining Information Guidance Room (Library) in the Bureau.

12. To assist students in the development of skills necessary for decision making, Problem solving, Team building, Career and Life Planning

13. Conducting Orientation of Newly Admitted Students on Yearly basis.

Coordinator

Prof (Dr.) Sangeeta Saxena

Information & Guidance Bureau

Mobile: 91-9450645342

Email: dr_sangeeta_saxena@yahoo.com

Some of the Activities for students by I & GB

1. Lot of current information is provided to the students through notice boards and counseling Sessions
2. Students are informed about qualifying the NET-JRF, minimum eligibility and how to fill the form.
3. Currently I. & G.B. is dispensing latest information on various notice boards installed at various locations at admin. Block regarding various examinations, higher education in India and abroad and scholarship etc.
4. Counselling of the individual students at I.G.B. Office.
5. Counselling regarding various schemes of Govt. of India for P.G. & Ph.D. students and educational loan procedure from various banks.
6. Daily Newspaper and Employment News and several other relevant Magazines are also available at I.G.B. office.
7. Various dental checks up camps have been organized by I.G.B. for students & faculty of BBAU.
8. Helping students to organize knowledge about themselves by identifying skills, interests and aptitudes.
9. Providing information about further course prerequisite, financial aid, academic planning, and entrance exams. Etc.
10. I.G.B. is providing information to the students related to their projects works and other related areas, if desired by the students.

Community Outreach Activities conducted by I & GB

1. Seminar Organised by I&GB on the topic "Transforming Eligible into Employable" on 21/01/2020.
2. Seminar Orientation on the topic "Overseas higher education and scholarship opportunities for University students" Dated: 15/11/2019.
3. Women, health and education Awareness Programe in village aurava on 12th March 2019.

Future Plans

Information is at the core of career guidance and education; indeed, it tends to prevail over other guidance function. From the point of view of the students, information should lead to improved knowledge about the self, about the job market, about education and training opportunities. So I. & G. B. Of the university is striving for these objectives. Various other guidance and Motivational talks will be organised in coming future.

NATIONAL CADET CORPS

National Cadet Corps is a Tri-Service Organization, comprising the army, Navy and Air Force, engaged in grooming the youth of the country into disciplined and patriotic citizens. Training in NCC instills qualities like nationalism, patriotism, disciplined, team spirit, sprit-de-corps, leadership and self-confidence and promotes overall personality development. NCC gives a tremendous opportunity to one and all for betterment, irrespective of caste, creed, religion or economic status. Based on the aims of NCC, the organization has laid down training syllabi for the cadets. The syllabi for the senior division cadets cover a period of three years. The NCC (Girls) wing of the Babasaheb Bhimrao Ambedkar University started on 12th August, 2010 with the strength of 71 Cadets is attached to the 20 UP Girls BATTALION NCC of the Army and NCC (Boys) Division started from 2016-17 session with the strength of 50 Cadets is attached to the 67 UP BATTALION NCC of the Army. The Commanding officer & Adm officer of 20 UP Girls BN are Col. Arun Suryavanshy and Major Praveen Kumari respectively. The Commanding officer of 67 UP BN is Col. S. P. Shukla. At present, total strength of enrolled cadets (Girls & Boys) is 121. All NCC activities, in the University campus are conducted under the supervision of Lt. Dr. Raj Shree, Assistant Professor, DIT and Lt. Dr. Manoj Kumar Dhadwal, Assistant Director, Physical Education. During this year cadets have attended a number of camps such as Combined Annual Training Camp (CATC), Annual Training Camp and Army Attachment Camp. Our NCC cadets have become the role model for other students by participating in social activities like health check–up camp, blood donation camp, tree plantation camp, anti–leprosy drive, Cancer Awareness Programmers and other activities. In 2019-2020 academic session, cadets attended Combined Annual Training Camp (CATC). one camp was held at BBAU Lucknow. During the camp cadets learnt about first aid, shooting, map reading, personal hygiene etc. NCC Cadets of the University Participated in 15th August, 2019, parade held at University Campus & gave Guard of Honour as a mark of respect to H'ble Vice-chancellor Prof. Sanjay Singh. On 26th January, 2020, all the cadets gave Guard of Honour as a mark of respect to H'ble Vice-chancellor Prof. Sanjay Singh. International Yoga Day was jointly organized by NCC Department and sport section. University cadets also visited nearby village. Cadets gave information for cleanliness, health and hygiene to the villagers. They also educate and motivate the villagers to educate their children.

The Number of extension and outreach programmes conducted in collaboration with industry, community and Non-Government Organisation thought NCC/Red cross/Youth Red Cross (YRC) etc.

Title of the Activities	Organising unit/ agency/collaboration agency	Number of teacher coordinated in such activities	Number of students participated in such activities
Celebrating"20 Years of Kargil War "(Operation Vijay) on 26th July 2019	NCC	02	40
Blood donations camp in Lohiya Hospital, on 26th July 2019	NCC	02	10
Gender Sensitization, 26th Aug 2019 to 30th Aug 2019	NCC	04	50
Fit India Movement, on 29th Aug 2019	NCC	02	50
Surgical Strikes, on 29th Sep 2019	NCC	02	30
Swatches Pakhwada, on 01st Sep 2019 to 15 Sep 2019	NCC	05	100
On 15th August Guard of Honour to Honourable Vice- Chancellor	NCC	02	50
Vigilance Awareness Week, on 30th Oct 2019 to 31st Oct 2019	NCC	05	60
Yoga health and happiness, on 01st Nov 2019 to 07th Nov 2019	NCC	02	30
Defense Awareness and SSB workshop, on 18th Nov 2019 to 22 Nov 2019	NCC	02	10
World Aids Day, on 01st Dec 2019	NCC	02	20
Swachta Pakhwada in Healt Centre, on 17th Jan 2020	NCC	05	30
Fit India Movements, on 18th Jan 2020	NCC	02	40
26 January Guard of honor to Hon'ble Vice Chancellor, on 26th Jan 2020	NCC	02	40
Defence Awareness and SSB Orientation Workshop, on 28th Jan 2020 to 06 Feb 2020	NCC	02	15
Women day, on 08 March 2020	NCC	03	30
NCC Cadets dress distributions, on 13 March 2020	NCC	01	42
NCC 'C' Certificate practical examinations, on 17 March 2020	NCC	01	04

NATIONAL SERVICE SCHEME (NSS) CELL

About The NSS

The **National Service Scheme** (**NSS**) is an Indian government-sponsored public service program conducted by the Ministry of Youth Affairs[1] and Sports of the Government of India. Popularly known as NSS, the scheme was launched in Mahatma Ghandhiji's Centenary year in 1969. Aimed at developing student's personality through community service, NSS is a voluntary association of young people in Colleges, Universities and at +2 level working for a campus-community (esp. Villages) linkage.

The motto of NSS is "Not me But You" and Volunteers at NSS Cell of BBAU follow the motto in true spirit.

NSS at BBAU

NSS at BBAU started in 2016 with One unit,. Today At BBAU, there are 03 unite of NSS enrolling 300 Students volunteers from all the departments of the University. We at NSS cell of BBAU have major focus on following objectives:

1. Community Service by educating them on healthy and hygienic life style
2. Makin poor and rural people and others aware about various government schemes for their welfare.
3. Understanding the society where they live
4. Personality development of Volunteers
5. To further "स्वच्छ" mission to every part of society
6. Celebrate important National and International days

NSS Program Officers

1. Dr. Ramesh Kumar Chaturvedi
2. Dr. Taruna

Achievements of NSS cell

1. One Volunteer Mr. Aadesh Srivastava of NSS has been selected for Pre-Republic day parade and attended camp in Bhopal for 10 Days.
2. Ten volunteers have been selected to Participate in National Integration Camp (NIC)at Kangara, Himachal Pradesh from 24th February to 1st March 2020.
3. Seven Volunteers won Medals in Poster Making Competition and Rangoli Competition at NIC.
4. Fifteen Volunteers of NSS Cell BBAU have been selected to extend services and participate in 24th National youth Festival, Lucknow from 12th to 16th January, 2020 and received certificate of participation.

Achievement of Program Officer

1. Dr. Ramesh Kumar Chaturvedi, Program officer, participated and lead the Uttar Pradesh NSS Contingent at National Integration Camp (NIC), Kangra Himachal Pradesh.
2. Dr. Ramesh Kumar Chaturvedi and Dr. Taruna has been selected by SLO, Utter Pradesh Government to coordinate the activities during 24th National youth Festival, Lucknow.

Some Important Activities by NSS Cell BBAU

1. Participating Republic Day Parade at University Level
2. Campaign for Fit India Movement
3. Campaign for "स्वच्छ भारत" many times during the year by actively taking of cleaning activities at Campus and nearby areas, Organising Poster, Slogan making competitions etc.
4. Lecture on Career prospects for Youth especially in Defence.
5. Tree plantation drives many times during the academic year.
6. Celebrating important Days such as Constitution day, Youth Day, Women Day, Literacy, world Environment, Yoga day and many others.
7. Helping local governments and NGOs by NSS Volunteers at place of their residence during Lock Down in managing Covid-19 situation.

Special Online NSS Camp

A 7 Days Special NSS camp from 4th-10th June 2020 has been organised in online mode for session 2019-20. Due to Pandemic Covid-19 the Physically scheduled camp in March, 2020 could not be organised. However an online NSS camp has been conducted and all required activities of a NSS camp were conducted such as:

Date/Day	Activity	Resource Persons
04.06.2020 (Thurday)	**Inaugural session**	**Training session by** **Dr. Taruna** Training session by **Dr. Ramesh kr. Chaturvedi**
05.06.2020 (Friday) (7:00- 8:00 am)	**Mediation session** **Mr. R.S.L. Srivastava**	**Nutrition and wellness- Post Pandemic COVID-19 community Centric Approach–** Prof Sunita Mishra
06.06.2020 (Saturday) (7:00- 8:00 am)	**Mediation session** **Mr. R.S.L. Srivastava**	**Orientation of NSS volunteers towards community service and social work.**
07.06.2020 (Sunday) (7:00- 8:00 am)	**Mediation session** **Mr. R.S.L. Srivastava**	**Health and Hygiene orientation in Covid-19** By **Dr. Vikas Srivastav (**Medical officer BBAU Lucknow)
08.06.2020 (Monday) (7:00- 8:00 am)	**Yoga session** **Ms Poonam Sharma**	**Emotional regulation during COVID-19** **Ms Neha Anand** Psychological counsellor
09.06.2020 (Tuesday) (7:00- 8:00 am)	**Yoga session** Ms Poonam Sharma	**Training and interactive session by NSS-state liasioning officer** **Dr. Anshumali**.
10.06.2020 (Wednesday) (7:00- 8:00 am)	**Yoga session** **Ms Poonam Sharma**	**Experience sharing of NSS Volunteers** & Poster Presentation Valedictory session

OFFICE OF PROCTOR

1. Introduction

Babasaheb Bhimrao Ambedkar University (A Central University) established the **office of Proctor** under the **provision of university act 1994**, **No. 53 of 1994**, which came into force from **10.01.1996** and notified **February 1997**. The proctor is a statutory officer of the University and head of the Proctorial board. The major objectives of Proctorial board are enforcing discipline and controlling law and orders of student community. The Proctor office comprises Proctorial board, Anti ragging committee, Anti ragging squad and Anti ragging cell as the major committee to control the different sphere of discipline. The office of proctor constituted three tier organizations i.e. Proctorial board, while at second tier Professor In charge security and Security officer, third tier the outsourced Security Staff with supervisor, guards and chowkidars. The University has two campus i.e. main campus at Lucknow and satellite campus at Amethi. The office of Proctor has to ensure discipline for maintaining law and order and total security to both campus of the University.

2. Committees & Sub-Committees Constitute by Board

Proctorial Board has three other active committees. The detail of committee is as below:-

Proctorial Board

Sl.	Name of Member	Designation	Contact No./Email id
1	Prof. B. B. Malik	Proctor	9415688058 bbmalik57@gmail.com
2	Prof. Kaman Singh	Member	9415409189 singh.kaman@bbau.ac.in
3	Prof. Sanjay Kumar	Member	9453019255 sanjay123bhu@gmail.com
4	Prof. S. K. Dwivedi	Member	9452757447 skd200@yahoo.com
5	Prof. Surinder Kumar	Member	9410334706 surinderntls@gmail.com
6	Prof. Shilpi Verma	Member	9450110690 shipoo.lko@gmail.com
7	Dr. Sikha	Member	9454452657 dr_sikha2003@yahoo.co.in
8	Dr. Sanjeev Kr. Chadha	Member	9456789777 sk_chadha123@gmail.com
9	Dr. M.L. Meena	Member	9651893336 maheriari@rediffmail.com
10	Dr. Anis Ahmad	Member	9453287957 anisbbau@gmail.com
11	Dr. Jay Shankar Singh	Member	9335666104 jayshankar_1@yahoo.co.in
12	Dr. Ramesh Chandra	Member	9956509449 ramesh.luphy@gmail.com
13	Dr. Taruna	Member	9415765841 drtaruna@gmail.com
14	Dr. Preeti Gupta	Member	9956720055 preetig07@gmail.com
15	Dr. Manoj Kumar	Member	9758558385 mkjnuiitr@gmail.com
16	Dr. Preety Choudhari	Member	7607680694 preetychoudhari2009@gmail.com
17	Dr. Khem Bhadur Thapa	Member	9450871807 khem.bhu@gmail.com

18	Dr. Kunwar Surendra Bahadur	Member	8700443248 ksbuprtou@gmail.com
19	Concern, HOD/Director/Coordinator	Special Invitee	
20	DSW	Special Invitee	9453641182 dr.bsbhadauria@rediffmail.com
21	PIC- Security	Special Invitee	8765583117 pandeygajanan@rediffmail.com
22	Dr. Ravi Shankar Verma	Member & Convener	9453966994 ravihort_01@rediffmail.com

Anti-Ragging Committee

Sl. No.	Name of Member	Designation	Contact No./Email id
1.	Prof. Sudarshan Verma	Chairman	9415470836 vermaslaw@yahoo.in
2.	Prof. Govind Ji Pandey	Member	9580803904 govindbbau@gmail.com
3.	Prof. Preeti Misra	Member	9415088971 misra9us@gmail.com
4.	Prof. B.C. Yadav	Member	9450094590 balchandra_yadav@rediffmail.com
5.	Prof. ShilpiVerma	Member	9450110690 shipoo.lko@gmail.com
6.	Dr. P.S. Rajinikanth	Member	8939311260 psrajanikanth222@gmail.com
7.	Dr. Arvind Kumar Singh	Member	9628291991 aksinghmjmc@gmail.com
8.	Dr. Hari Shankar Singh	Member	9405127744 hssingh214@gmail.com
9.	Dr. Preeti Gupta	Member	9956720055 preetig07@gmail.com
10.	Dr. Narendra Kumar	Member	9918527968 narendrakumar_lko@yahoo.co.in
11.	Dr. Anjani Kumar Tiwari	Member	7503381343 anjanik2003@gmail.com
12	Dr. Anis Ahmad	Member	9453287957 anisbbau@gmail.com
13	Dr. Lata Bajpai Singh	Member	9899666257 drlatabajpai@gmail.com
14	Dr. Preety Choudhari	Member	7607680694 preetychoudhari2009@gmail.com
15	Dr. Ravi Shankar Verma	Member & Convener	9453966994 ravihort_01@rediffmail.com ravihort.009@gmail.com

Anti-Ragging Squad

Sl. No.	Name of Member	Designation	Contact No./Email id
1.	Prof. Gajanan Pandey	Chairman	8765583117 pandeygajanan@rediffmail.com
2.	Prof. Sanjay Kumar Dwivedi	Member	9452757447 skd200@yahoo.com
3.	Prof. Devesh Kumar	Member	8005011014 dkclcre@yahoo.com
4.	Prof. M.P. Singh	Member	9415951864 mpsinghdlis@gmail.com

5.	Dr. M.L. Meena	Member	9651893336 maheriari@rediffmail.com
6.	Dr. Dhirendra Pandey	Member	9453170609 prof.dhiren@gmail.com
7.	Dr. Taruna	Member	9415765841 drtaruna@gmail.com
8.	Dr. Ravi Shankar Verma	Member	9453966994 ravihort_01@gmail.com ravihort.009@gmail.com
9.	Dr. R.N. Bharagava	Member	9918919369 bhargavarnbbau11@gmail.com
10.	Dr. Shailesh Kumar	Member	8005375720 drskum10@gmail.com
11.	Dr. Manoj Kr. Dhandwal	Member	7080879999 dhadwal2005@gmail.com
12.	Dr. Lata Bajpai Singh	Member	9899666257 drlatabajpai@gmail.com
13.	Dr. Manjari Raj Oraon	Member	9899981878 manjariraj2011@gmail.com
14.	Dr. Preeti Gupta	Member	9956720055 preetig07@gmail.com
15.	Security Officer/Incharge	Member	9628842565 bssaini1979@gmail.com

Anti-Ragging Cell

Sl. No.	Name of Member	Designation	Contact No./Email id
1.	Prof. Kaman Singh	Chairman	9415409189 drkamansingh@yahoo.com
2.	Prof. B.N. Dubey	Member	9198633366 dubeybbau@gmail.com
3.	Prof. Preeti Misra	Member	9415088971 misra9us@gmail.com
4.	Prof. Sanjay Kumar	Member	9453019255 sanjay123bhu@gmail.com
5.	Prof. Gopal Singh	Member	9412401693 drgsmasscom@gmail.com
6.	Prof. Sanatan Nayak	Member	9956042761 sanatan5@yahoo.com
7.	Prof. Surinder Kumar	Member	9410334706 surinderntls@gmail.com
8.	Prof. Shilpi Verma	Member	9450110690 shipoo.lko@gmail.com
9.	Dr. G. Sunil Babu	Member	9455036926 sunil_gos@yahoo.co.in
10.	Dr. Ramesh Chaturvedi	Member	9336703154 drrameshchaturvedi1@gmail.com
11.	Dr. Anjani Kumar Tiwari	Member	7503381343 anjanik2003@gmail.com
12.	Dr. Digvijay Verma	Member	9999609415 digvijay.udsc@gmail.com
13.	Dr. Sangita Chauhan	Member	9935266721 sangita.27@rediffmail.com
14.	Dr. Jyoti Pandey	Member	8004347520 reenucdri@gmail.com

15.	Dr. Raj Shree	Member	8562988463 rajshree.bbau2009@gmail.com
16.	Dr. M.L. Meena	Member	9651893336 maheriari@rediffmail.com
17.	Dr. Kunwar Surendra Bahadur	Member	8700443248 ksbuprtou@gmail.com
18.	Dr. Lata Bajpai Singh	Member	9899666257 drlatabajpai@gmail.com
19.	Dr. Ravi Shankar Verma	Member & Convener	9453966994 ravihort_01@gmail.com

i. Proctorial Board has Seven Sub-Committee:-

ii. Anti-Ragging Cell and Anti-Ragging Squad has seven Sub-Committee for 24X7:-

iii. Three Sub-Committee has constitute for Girls & Boys Hostel:-

3. Profile of Proctor

Name	:	PROF. B. B. Malik
Designation	:	Proctor
Qualification	:	M.A., M.Phil., Ph.D.
Teaching & Research Experience	:	22 Yrs
Research Interest	:	Sociological Theory Poverty and Social Exclusion Sociology of Ecology and Environment Sociology of Dalits and Ambedkar Studies Sociology of Poverty and Economic Deprivation
Ph.D. Students guided	:	21
Contact	:	+91-9415688058

SPECIAL CELL FOR THE WELFARE OF SCHEDULED CASTES & SCHEDULED TRIBES (SC/ST CELL)

Objectives

To Implement the Reservation Policy of GOI/ MHRD/UGC/BBAU for SCs/STs in the University.

To Collect Data Regarding the Implementation of the Policies in Respect of Admissions, Appointments to Teaching and Non-Teaching Positions in the University, and Analyse the Data Showing the Trends and Changes Towards Fulfilling the Required Quota.

To Take Follow up Measures for Achieving the Objectives and Targets Laid Down for the Purpose by the Government of India and the UGC.

To Implement, Monitor and Evaluate Continuously the Reservation Policy in University and Plan Measures for Ensuring Effective Implementation of the Policy and Programme of the Government of India.

Constitution of Advisory Committee For Welfare of Scheduled Castes/Scheduled Tribes With Effect From 07/12/ 2016

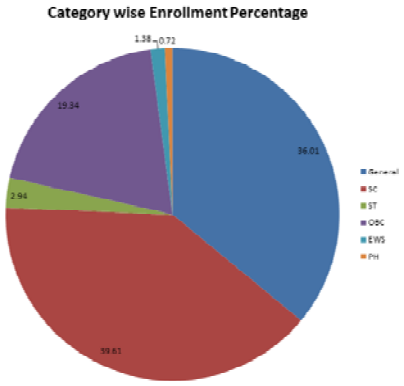
S. No.	Name	Designation
01	Vice Chancellor	Chairman
02	Prof. R. B. Ram, Advisor to VC	Member
03	Prof. R. A. Khan (Head of the Department)	Member
04	Dr. Shura Darapuri (Head of the Department)	Member
05	Dr. Surinder Kumar (Head of the Department)	Member
06	Prof. S. Victor Babu (in capacity of Professor)	Member
07	Prof. K.L. Mahawar (in capacity of Professor)	Member
08	Prof. Sudarshan Verma (in capacity of Professor)	Member
09	Dr. Shashi Kumar (in the capacity of Associate Professor)	Member
10	Dr. M. L. Meena (in the capacity of Assistant Professor)	Member
11	Dr. K. Sharmila (in the capacity of Assistant Professor)	Member
12	Dy. Registrar (SC/ST)	Convener/Member Secretary

Status of Equal Opportunity Cell Meeting held in BBA University, Lucknow During Financial Year

S. No.	Details of Meetings	Status
1.	3rd Equal Opportunity Cell Meeting *(Dated 01.08.2019)*	ATR completed
2.	4th Equal Opportunity Cell Meeting *(Dated 05.03.2020)*	ATR completed
3.	5th Equal Opportunity Cell Meeting *(Dated 23.10.2020)*	ATR completed

One Page Statistical Data Total Enrollment During 2019-20

Total Enrolment of Students in University Departments	Under Graduate	Post Graduate	5 years integrated course	M.Phil/ M.Tech	Ph.D	Certificate / Diploma	Total
Numbers of General Students	453	785	128	40	227	9	1642
Numbers of SC Students	689	659	137	31	282	8	1806
Numbers of ST Students	43	44	4	2	41	0	134
Numbers of OBC Students	254	454	64	22	76	12	882
Numbers of EWS Students	25	35	1	0	2	0	63
Numbers of PH Students	4	17	0	0	12	0	33
Numbers of Transgender Students	0	0	0	0	0		0
Total Strength	1468	1994	334	95	640	29	4560



Status of Various Facilities Being Provided To The Sc/St And Pwd Students of The University

- University is providing 50% reservation as provided in Academic Ordinance of this University gazetted in official Gazette of India
- Separate Gold Medal is being provided to the topper among SC/ST students at PG level in each department to encourage the students of these categories.
- Financial assistance of @ Rs. 2000/- is being provided to SC/ST students at Post Graduate level for preparation of dissertation.
- Financial assistance of @ Rs. 3000/- is being provided to SC/ST Students at Post Graduate level for Study Tour.
- Financial assistance of @ Rs. 3000/- is being provided to the SC/ST research scholars for preparation of Ph.D. thesis

Detail of Hosteller Students

S. No	Name of The Hostel	Intake Capacity	Vacant Room	General	SC	ST	OBC	PH	EWS	Total
1	Ashoka Boys Hostel	88	0	24	134		23	9	0	269
2	Chitralekha Girls	36	0	16	36		3	1	0	91
3	Kanishka Boys	49	0	16	54		11	3	0	130
4	New Sanghmitra Ext.	146	0	49	107		8	1	1	311
5	Sanghmitra Girls	66	0	23	64		11	2	1	165
6	Siddhartha Boys	27	0	9	36	1	19	0	0	92
7	Yashodhara Girls	105	0	48	75		8	1	0	236
	Grand Total	519	0	185	506	1	83	17	2	1294

Status of Post-Matric Scholarship and Fee Reimbursement Online Applications Forwarded During 2019-20 to The Social Welfare Office, Lucknow (In Nos.)

	Total	General	SC	ST	OBC	Minority	Grand Total
Total Applicationforms available on Scholarship website	**1887**	539	838	20	385	105	**1887**
Hard Copy received by the University	**1887**	539	838	20	385	105	1887
Total applicationsverified by the University	**1887**	539	838	20	385	105	**1887**
Rejected Forms	**2**	1	1	0	0	0	**2**
Total applications Forwarded by the University to DIOS	**1885**	538	837	20	385	105	**1885**

SPORTS SECTION

S. No		
1	**Sports Section**	
2	Courses run by the Department: N.A	
3	Faculty (including guest /contract/ inspired):	**(01) Dr. Manoj Kumar Dhadwal** ***(22nd Dec.2015 Date of Appointment)***
4	Available facilities in the department:	**02 Volleyball Court, 01 Basketball, 01 Football Ground, 02 Lawn Tennis Court, 01 Badminton Court, 02 KabaddiCourt, 01 Kho-Kho Court, Gymnasium,Improvise Cricket and Track and Field,02 Table Tennis, Carom and Chess Boards.**
5		
6	No. of Ph.D. students enrolled : -	
7	No. of Ph.D. degree awarded : -	
8	No. of Post-Doctorates (current):-	
9	Latest syllabus revision date(course wise):	**Presented New Curriculum for BPEdprogramme**
10	Conferences /workshops/other events organized in the department in the last three years. :	**01 Workshop and 01 Conference**
11	Achievements of the faculties (faculty wise) in the last three years (publication prints with impact factor, awards, recognitions, inspired fellowship, patents, conferences/ workshops attended etc.).: 01 Book, 03 conference	
12	h-index, total impact factor, citation of the department	
13	Achievements of the students (includes Job/placement, NET, JRF, GATE, Awards etc.).	

BRIEF HISTORY OF THE SPORTS SECTION

Babasaheb Bhimrao Ambedkar University, Lucknow striving for academic excellence, and at the same time sponsoring varieties of activities that would contribute to the wholesome development of personality and promote health among students. Sports and Games are one such area promoted by the University with an intention of ensuring Physical, Mental and Emotional Health of the Student Community. For the smooth conduct of the intramural and extramural sportsprogramme of the university, the Sports Section was established by the University in the year 2007.

The Sports Section caters to the Sports needs of students from all Departments' and Schools' of the BBAU.

OBJECTIVES

i. To promote students' sports participation and to create awareness about the benefits of Physical Education & Sports and to spread Sports Culture among students.

ii. To search Sports Talent at the School/ Departmental level and to groom them as better performers.

iii. To Project the Potentials of University by organizing National Level Tournaments.

iv. To provide Incentives and bestow Awards to Sports persons to maintain sustained interest among students to participate and perform progressively.

v. To involve Alumni, N.R.I's & other Sports Agencies for raising funds for the Development of Sports Infrastructure.

vi. To initiate measures to evolve Group/ Individual Accident Insurance Scheme for Sports persons taking part in the Inter-University Competitions.

vii. To Develop Adequate and Standard Sports Infrastructure Facilities like Playing Fields, Gymnasium, Swimming Pool, Track & Field, and procure Quality Equipment.

viii. To provide Systematic Coaching Programme by involving Qualified & Competent Personnel to groom University Teams & Sports Talent.

1. Conducted various Sports Events-2018/19 (Boys and Girls) from 05th March to 15th March 2019 at University Play Ground/Gymnasiumn. Morethan, 1000 students participated.

Following events were conducted

S.N.	Name of the Event	Level of Participation
1	Cricket	Inter School Boys & Girls
2	Basketball	Boys and Girls Singles and Double
3	Athletic	Inter School Boys & Girls (100 mt. ,200 mt., 400 mt., 800mt., 1500 mt., and long jump, Shot Put and Discus Throw and relay events)
4	Chess	Inter School Boys & Girls
5	Power Lifting	Open for Boys

1. To Mark the 128th Anniversary of Babasaheb Bhimrao Ambedkar Sports Section Organized "Run for Unity" on 14th April 2019, around 500 students, faculty and staff members participated.
2. Organized 03 Days' workshop on "Development of talent and stress management" ("प्रतिभा का विकास और तनाव प्रबन्धन") and "Causes of modern diseases and their preventive measures" ("आधुनिक रोगों के कारण एवं उनके निवारक उपाय") from 25th April to 27th April 2019, by Vaidya Rajesh Kapoor.
3. Sports Section celebrated **"International Day of Yoga 2019"** Sports Section organised following events:
4. Sports Section celebrated ''International Day of Yoga 2019'' Sports Section organised following events:

5. Celebrated National Sports Day "Fit India" on 29th August 2019

Sports Section celebrated Sports Day: a Foot March in the morning followed by the Live Telecast of the launch of Fit India Movement at 09 a.m. was organized.

6. Sports Section organized one day symposium on "Yoga for Promotion of Wellness" on 12th Oct. 2019 at 02 p.m.

S.No.	Name of Program	Date	Venue
1.	03 Days Yoga workshop and special Lecture's on Capacity enhancement through Yoga Hand Mudras in Yoga. Harnessing the power of Pranayama and Meditation for quality life	28th May 2019 29th May 2019 30th May 2019	Auditorium Room No.04 from 6.00 am to 8.00a.m.
2.	10 days Yoga workshop as per IDY protocol.	11th June to 21th June 2019	Auditorium Room No.04 from 6.00 am to 7.00 a.m.
3.	Special Lecture on **"Memory Enhancementthrough Yoga, Pranayama"**	11th June to 13thJune 2019	Auditorium Room No.04 from 7.00 am to 8.00 a.m.
4.	Yoga Demonstration Competition	17th June 2019	Auditorium Room No.04 from 7.00 am to 8.00 a.m.
5.	Surya NamaskarYogathon -2019	18th June 2019	Auditorium Room No.04 from 7.00 am to 8.00 a.m.
6.	IDY-2019 Mass celebration	21st June 2019	SES ground. 6.00 a.m.

S.N.	Name of the Event	Level of Participation
1	Football	Inter School Boys & Inter School Girls
2	Badminton	Boys Singles and Double & Girls Singles and Double
3	Volleyball	Inter School Boys & Inter School Girls
4	Table tennis	Boys Singles and Double & Girls Singles and Double
5	Basketball	Inter School Boys & Inter School Girls
6	Kho-Kho	Inter School Boys & Inter School Girls
7	Kabaddi	Inter School Boys & Inter School Girls

7. Conducted Sport Events-2019 from 18th Oct. to 8th Nov. 2019, where 07 different Sports Events were conducted at Inter School Level:

8. Organized 07 Days Workshop on Yoga, Health and Happiness from 1st Nov. 2019 to 7th Nov. 2019.

9. Participated at Inter University Volleyball Boys Tournament (AIU) at Amity University, Gurgaon from 07th to12th Nov. 2019.

10. Participated at Inter University Tournament (Boys) Cricketat AMU, Aligarh from 22nd Nov. to 25th Nov. 2019.

11. Participatedat Inter University Kho-Kho Tournament (Girls) Held at RML University from Faizabad 23rd to 27th Nov. 2019

12. Sports Section in collaboration with BBAU, NCC and NSS organized FIT INDIA WALK/RUN and PUSH-UP challenge on 18th January 2020, 7. a.m. at BBAU.

13. Organized 10 Days Workshop on Defence Awareness and SSB Orientation Workshop from 28th Jan 2020 to 06th Feb. 2020.

14. Conducted various Sports Events-2019/20 (Boys and Girls) from 03rd March to 17th March 2020 at University Play Ground/Gymnasiumn. Morethan 1500 students participated in these events.

Following events were conducted

S.N.	Name of the Event	Level of Participation
1	Cricket	Inter School Boys & Girls
2	Chess	Inter School Boys & Girls
3	Athletic	Inter School Boys & Girls (100 mt ,200 mt, 400 mt, 800mt, 1500 mt, and long jump, Shot Put and Discus Throw and relay events)
4	Tug of War	Inter School Boys & Girls
5	Power Lifting	Open or Boys

UNIVERSITY SOPHISTICATED INSTRUMENTATION CENTRE (USIC)

The University established Sophisticated Instrumentation Centre which is housed in the ground floor of the School for Environmental Science building. Four precision equipments, viz., **Fourier Transform Infra-Red Spectrometer (FTIR)** of Thermo-Scientific (Nicole 6700); **Fast Performance Liquid Chromatograph (FPLC)** of GE-Healthcare Bio-Science (AKTA 10); **Scanning Electron Microscope of JEOL (JSM 6490 LV) and Photoresist Spinner**

Fourier Transform - Infrared Spectroscopy (FTIR) is an analytical technique used to obtain an infrared spectrum of absorption or emission of organic (and in some cases inorganic) materials. The FTIR has been supplemented with an accessory called Attenuated Total Reflectance (ATR) to enhance the use and application of the instrument in way that with this facility any form of material, i.e., filmy/pellet; liquid, including liquids of flammable nature may be studied; rather that its limited use of getting spectra of the solids on the powdered form through making pellet by mixing the same with the KBr under a hydraulic press.

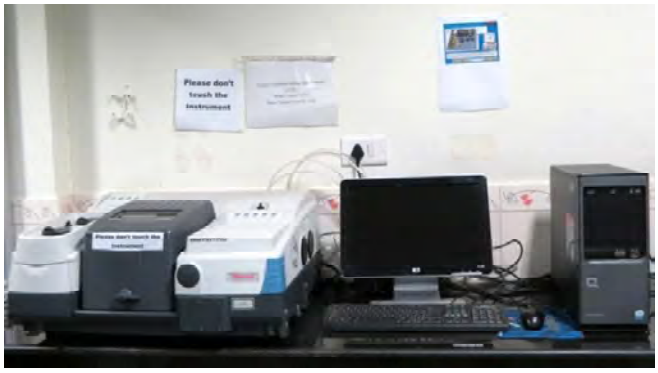


Figure 1. Fourier Transform Infra-Red Spectrometer (FTIR)

Fast Performance Liquid Chromatograph (FPLC) is a form of medium pressure chromatography that is used to analyze or purify mixture of proteins and other biomolecules. The FPLC (main AKTA 10) has been provided with other accessories which include Sephadex G75, Sephacry1 S–200, Deae Sepharose Fast FL, CM Sepharose fast flow short & long column holders, AKTA user kit etc. to make the facility of broader usage.

A Scanning Electron Microscope (JSM 6490) scans a focused electron beam over a surface to create an image. The electrons in the beam interact with the sample, producing various signals that can be used to obtain information about the surface topography and composition. It can beuse both under low & high vacuums depending on the nature of the specimens. Low vacuum with low kV (energy) provides the user the longer duration for scanning the material, the organic specimens, before it is charged. The instrument has been coupled with an optional accessory, viz., EDS 133, EV Dry Detector (INCAx-act) of OXFORD instruments, UK, which has enhanced the application range in a manner that any metal associated with the biological material or in isolation or in the form of alloy may be identified and also quantified. The SEM facility has also been supported with the two important preparatory units, viz., Sputter Coater of JEOL, Japan (JFC 1600, Auto Fine Coater) and Critical Point Dryer (CPD) Emitech K 850 of Quorum Technology of UK.



Figure 2. Fast Performance Liquid Chromatograph (FPLC)



Figure 3. Scanning Electron Microscope of JEOL (JSM 6490 LV)

X-ray diffraction (XRD)

X-ray diffraction (XRD) is a powerful technique for characterizing crystalline materials. It provides information on structures, phases, texture, and other

structural parameters, such as average grain size, crystallinity, strain, and crystal defects. The system equipped with Goniometer, X-ray source, Tube housing, Mount, Sample holder and Detector with Optics and Slit systems. The system has DIFFRAC. EVA evaluation software, DIFFRAC.TOPAS software for diffractogram analysis and ICDD PDF-4 Axiom 2020 database.

Usage of Instruments

The sophisticated instruments are being used exhaustively by the research scholars and faculty members of the University. The details of the analysis are given below:

2. Spin coater

S. No.	Name of the Instrument	No.of Samples Analyzed
1.	Scanning Electron Microscope	595 (Internal Users) 95 (External Users)
2.	Fourier Transform Infrared Spectroscopy (FTIR)	441 (Internal Users) 46 (External Users
3.	Fast Performance Liquid Chromatography (FPLC)	55
4.	Research Microscope	
5.	Spin Coater	66

Profile

The USIC of the University has a Director/In-charge and one Assistant Director, an Advisory Committee consisting of 05 Professors of the science stream departments are also working.

Minor Equipment available in USIC

1. High Speed Centrifuge Machine (CM12-Plus Remi)



Figure 4. X-Ray Diffraction (D8 Advance Eco)

3. Vortex Mixer (CM101-Plus Remi)
4. Double Distillation Unit
5. Hot Air Oven
6. Deep Freezer (-40 °C)
7. Electrophoresis
8. UV Lamp
9. Ultrasonic cleaner
10. Microwave oven
11. Magnetic Stirrer with Hot Plat
12. Photoresist Spinner
13. Refrigerator

Hands-on-Training/Workshop

University Sophisticated Instrumentation Center (USIC) is regularly organizing the Hands-on-Training/ Workshop programme on instrumentation for students and faculty member of BBAU and Non BBAU. The details are given below:

S. No.	Name of Training/Workshop	Period	Total no. of Participants
01	Hands-on-Training on SEM, FTIR and Ion Chromatography	Feb 18th -20th 2015	55
02	Summer TraSIC Training School on Instrumentation and Characterization	May 25th -26th 2018	26
03	WinterTraSIC Training School on Instrumentation and Characterization	Jan 30th -31st 2019	50

हिन्दी प्रकोष्ठ

हिंदी प्रकोष्ठ का गठन संवैधानिक प्रावधानों एवं राजभाषा अधिनियम 1963 व राजभाषा नियम 1976 के तहत राजभाषा संबंधी प्रावधानों को लागू करने के लिए भारत सरकार के प्रत्येक विभागों, कार्यालयों, स्वाकयत्तर संस्थानों एवं उपक्रमों में अनिवार्य है। राजभाषा के इसी प्रावधान के अनुपालन में भारत सरकार ने प्रत्येक केन्द्रीय विश्वविद्यालयों में हिंदी प्रकोष्ठ का गठन किया गया है।

विश्वविद्यालय में हिंदी प्रकोष्ठ का गठन राजभाषा नीति के अनुपालन एवं राजभाषा के संबंध में भारत सरकार के आदेशों को लागू करने के उद्देश्य् से किया गया है। इस दिशा में हिंदी प्रकोष्ठ द्वारा अनेक कदम उठाए गए हैं। जैसे-

- हिंदी पत्राचार के प्रतिशत को बढ़ाना
- राजाभाषा अधिनियम 1963 के धारा 3(3) का अनुपालन
- राजभाषा कार्यान्वयन समिति की तिमाही बैठक
- तिमाही हिंदी कार्यशाला, गोष्ठी का आयोजन
- राजभाषा विभाग को तिमाही प्रगति रिपोर्ट का ऑनलाइन प्रेषण
- हिन्दी में कार्य को बढ़ावा देने के लिए कम्यटूरों पर यूनिकोड को इंस्टाल करना
- हिंदीत्तर भाषी कर्मी को हिंदी प्रशिक्षण की व्यवस्था करना।

हिन्दी प्रकोष्ठ में नियुक्तियां

01 श्री शिवकुमार त्रिपाठी, हिन्दी अधिकारी नवम्बर 2014

02 श्रीमती सन्ध्या दीक्षित, हिन्दी अनुवादक सितम्बर 2014

03 श्री पंकज कुमार, हिन्दी टंकक अक्टूबर 2014

हिन्दी प्रकोष्ठ के कार्य

राजभाषा कार्यान्वायन से सम्बन्धित कार्य

- हिन्दी तिमाही प्रगति रिपोर्ट का ऑनलाइन प्रेषण।
- विभागों, कार्यालयों से तिमाही हिंदी प्रगति रिपोर्ट प्राप्ता करना एवं उसे समेकित कर मानव संसाधन विकास मंत्रालय एवं राजभाषा विभाग को ऑन लाइन भेजना।
- मंत्रालय द्वारा राजभाषा से सम्बन्धित माँगी गई सूचना का प्रेषण करना।
- विभागीय राजभाषा कार्यान्वयन समिति की बैठक आयोजित करना एवं उसमें राजभाषा कार्यन्वयन संबंधी विषयों पर चर्चा करना।
- राजभाषा कार्यान्वायन हेतु कुलपति महोदय के अनुमोदन से आदेश जारी करना एवं अनुपालन की मॉनीटरिंग करना जैसे- धारा 3(3) का अनुपालन एवं सभी नामपट्ट, साइनबोर्ड, मोहर आदि को द्विभाषी करना।
- सभी कम्यूटरों पर हिंदी में कार्य करने के लिए यूनीकोड उपलब्ध कराना।
- सरल शब्दावली का ई-मेल के माध्यम से प्रेषण करना।
- दैनिक प्रयोग में आने वाली टिप्पणियों का प्रेषण करना।
- पत्रावली प्रबन्धन हेतु आइ.एस.ओ. प्रणाली का प्रयोग किया जा रहा है।
- हिन्दीत्तर भाषी शैक्षिक एवं शिक्षणेत्तर कर्मियों को भारत सरकार के हिन्दी शिक्षण योजना के तहत प्रशिक्षण की व्यवस्था करना।
- नगर राजभाषा कार्यान्वयन समिति की बैठक में भाग लेना।
- केन्द्रीय अनुवाद ब्यूरों से अनुवाद में प्रशिक्षण प्राप्त करना।
- विश्व हिन्दी सम्मेलन एवं अन्य सेमिनारों में भाग लेना।

हिन्दी प्रकोष्ठ की नवीनतम गतिविधियां

- विभागीय राजभाषा समिति की बैठक का नियमित आयोजन।
- इसके साथ ही विश्वविद्यालय में राजभाषा अधिनियम एवं नियम का अनुपालन सुनिश्चित करने हेतु सभी विभागो को आदेश जारी करना एवं इसके अनुपालन हेतु प्रयास करना।
- विश्वविद्यालय की हिन्दी प्रगति की तिमाही प्रगति रिपोर्ट मानव संसाधन विकास मंत्रालय एवं राजभाषा विभाग को नियमित रूप से क्रमशः डाक एवं ऑनलाइन नियमित रूप से भेजा जाना।
- विश्वविद्यालय की छमाही पत्रिका ''निर्णयन'' प्रकाशनाधीन है।
- कार्यशाला/गोष्ठी का नियमित आयोजन है।

- ई-मेल के माध्यम से यूनीकोड का लिंक भेजकर विश्वविद्यालय के समस्त विभागों/अनुभागों के कम्प्यूटरों पर यूनीकोड संस्थापन सुनिश्चित किया जाना।

  http:// www.bhashaindia.com/ilit/Hindi Pre Install. aspx

- नगर राजभाषा कार्यान्वयन समिति की बैठकों में सक्रिय भागीदारी।
- दैनिक कार्यों में प्रशासनिक शब्दों के उपयोग हेतु ई-मेल के माध्यम से सरल शब्दावली का समस्त विभागों/अनुभागों में प्रेषण किया गया।
- प्रत्येक कार्यदिवस पर हिन्दी प्रकोष्ठ के सूचना पट्ट पर प्रेरणादायी हिन्दी के अनमोल वचन लिखे जाते हैं।
- प्रतिवर्ष हिन्दी पखवाड़ा का आयोजन करना।
- हिंदीत्तर भाषी कर्मी को हिंदी प्रशिक्षण दिलाना।

हिन्दी प्रकोष्ठ की नवीनतम गतिविधियाँ

- दैनिक कार्यों में प्रयोग होने वाले प्रपत्रों का अनुवाद जैसे- अवकाश, मेडिकल आदि।
- विश्वविद्यालय के सभी नामपट्ट एवं साईन बोर्ड को द्विभाषी किया जाना।
- विश्वविद्यालय में प्रशासनिक एवं अन्य कार्यों में प्रयोग किये जाने वाले सभी प्रपत्रों का अनुवाद हिन्दी में किया गया एवं उसे वेबसाईट पर अपलोड किया गया।
- विश्वविद्यालय की वार्षिक लेखा रिपोर्ट का अनुवाद। (प्रत्येक वर्ष लगभग 100 पृष्ठ)
- विश्वविद्यालय की वार्षिक रिपोर्ट का अनुवाद (प्रत्येक वर्ष लगभग 400 पृष्ठ)।
- विश्वविद्यालय की विभिन्न सामग्रीयों का प्रत्येक वर्ष लगभग 40 पृष्ठ का अनुवाद हिन्दी में किया गया।
- विश्वविद्यालय की वेबसाईट को हिंदी में किया गया समय पर विभिन्न पॉवर प्वाइन्ट प्रस्तुतीकरण हेतु तीन माह में लगभग 70 स्लाइड का हिन्दी में अनुवाद किया गया।
- कुलपति महोदय की 4 पुस्तकों का अनुवाद हिन्दी में किया।
- परीक्षा अनुभाग एवं अन्य विभागों एवं अनुभागों से आने वाली सामग्री का अनुवाद हिन्दी में किया जाना।
- विभिन्न कार्यक्रमों की सामग्री का अनुवाद हिन्दी में होना।

UNIVERSITY PLACEMENT CELL (UPC)

General overview of the University Placement Cell

The most significant resource of any civilized society is its trained and skilled manpower. In the contemporary competitive world, education is not just a mode of transmitting knowledge but equipping the students with the contemporary professional skills and ability to take up the global challenges for contributing the society to a greater extent as well as fulfilling their career aspirations. The University Placement Cell was constituted under the dynamic leadership of Honorable Vice Chancellor **Prof. Sanjay Singh**. Since its inception, the Cell is helping the students to identify the organizations for training and placement. Further, Campus Interviews are organized to provide opportunity to the students to showcase their talent and to facilitate them to be placed in various organizations across India and Abroad. The University Placement Cell is dedicated to support the students in their pursuit to get jobs in the esteemed organizations. In addition to this specialized lecture, workshops and job fairs are organized to provide students different platforms to attain their respective heights.

Constitution of the University Placement Cell

Chairman : Prof. Sanjay Singh

Hon'ble Vice Chancellor, BBAU.

Convener: Prof. S. Victor Babu

Registrar, BBAU.

Coordinator : Prof. M.S. Khan

Dean, School Of Management & Commerce.

Contact Us

E-mail : upcbbau007@gmail.com

Web: http://bbau.ac.in//new/cpc.aspx

Add. : Vidya Vihar, Raebareli Road, Lucknow - 226025

Placement Members

One nominated faculty member from each department.

University Placement Cell Objective

The main objective of the placement cell is to strive to help and guide students to get deserving placements through state-of-the-art technology, innovation, leadership and partnerships. Supreme emphasis is laid on providing the most modern and sophisticated learning environment coupled with Indian heritage and value systems. The teaching methodology is contemporary which keeps the students and the staff abreast with the ever-changing scenario in the educational arena along with a fine blend of traditional Indian ethics and value systems. Tradition gives us ethics and values and modernity gives us opportunity to apply those values to move ahead and make our mark. The academic and cultural activity at BBAU provides a platform where all students come together and explore the individual and group talents and resources. The faculty and management possess a high degree of integrity and knowledge that churns the students into efficient and effective human beings. The University provides guidance and support for graduating students to build their future through its constituent units. Particularly the Postgraduate institutes of the University are organized to assist passing out students in seeking employment opportunities. The industry too recognizes that the University students have appropriate inputs to make them better

professionals to make a career in the industries. the University through its constituents also has continual interaction with reputed national and multinational companies that visit the campuses for recruiting the graduating students.

Fundamental Functions of the Central Placement Cell

The University Placement Cell functions with full time academic and professional staffs. The functions of the Cell are as follows:

To guide and help students to find a work placement that best suits their career goals. This involves training the students in all Steps for a Work Placement.

- To have close liaison with the industry for placement of the students.
- To help students Preparing their CVs & Covering Letters.
- To organize the entrepreneurship workshops.
- Training students in Aptitude Tests and Interview Techniques.
- Also involving in constant Job Search, finding Work Placement Opportunities and giving the students General Advice and Guidance.
- Gathering information about the Companies that required the skilled People.
- Identifying potential placement opportunities.
- To establish Contacts with corporate bodies.
- To collect feedback from the companies coming for placement.
- Arranging Industrial Visits for project work for all courses.
- The Cell provides the infrastructural facilities to conduct group discussions, tests, and interviews besides catering other logistics.
- The training and placement cell facilitates the process of placement of students passing out from the university.

Activities and Achievements

Activities Conducted by University Placement Cell.

October 2019

1. Azim Premji Foundation visited the Campus on 16.10.2019 for campus Interview and **14 Students were selected and offered placement.**
2. JARO Institute of Technology, Management and Research Pvt. Ltd., MUMBAI visited the Campus on 17.10.2019. **10 student were selected.**

November 2019

Travel Binz, NEW DELHI Conducted Placement Interview on 15.11.2019. **42 students were selected.**

February 2020

Campus Placement by Indi Hire Consultants on 20.02.2020 conducted by University Placement Cell. **6 students were selected.**

General Overview of Placement Detail

S. No.	Name of the Company	Date of Interview	Students Placed	Department
1	Azim Premji Foundation	16.10.2019	14	Chemistry, Zoology, Botany, English, Geography, Hindi, History, Mathematics, MBA(HR), Political Science, Physics, B. Tech/ M. Tech.
2	JARO Institute of Technology, Managementand Research Pvt. Ltd., MUMBAI	17.10.2019	10	MCA, M.Tech, BE , B.Tech, BCA ,B.Sc, B.Com, BBA, BA, M.Com &MBA.
3	Travel Binz, NEW DELHI	15.11.2019	42	UG-(B.Com, B.B.A, B.A) and PG- (MBA-Any PG Course, Post-Graduation)
4	Indi Hire CONSULTANTS, New Delhi	20.02.2020	6	MBA
	Total No. of Placement	72		

GARDENING & BEAUTIFICATION SECTION

The Gardening & Beautification Section (G.B.S.) is involved in bio-aesthetic planning of the campus by planting of ornamental trees, shrubs, climbers and avenue trees and maintenance of the campus and creating of ecological balance, reducing global warming and increasing the green and pleasant environment for the teaching and student fraternity. It was established in the year 2010 with infrastructural support from University.

1. Objectives

i. Bio-aesthetic planning of the campus by planting of ornamental trees, shrubs, climbers and avenue trees

ii. Maintenance of the campus and creating ecological balance, reducing global warming and increasing the green and pleasant environment for University fraternity.

iii. To promote participating through regular plantation drives & Swatchata Abhiyan for Green and Clean campus.

2. Staff (contract/inspired)

- Office Assistant/D.E.O: 01
- Driver: 01
- Head Mali/Field Supervisor: 02
- Workman: 20

3. Equipment/Items

The section has good infrastructure comprising followings items:

i.	Tractor	02
ii.	Trolley	01
iii.	Tanker	01
iv.	Harrow	01
v.	Cultivator	01
vi.	Leveller	01
vii.	Tractor mounted grass cutter	01
viii.	Rotavator	01
ix.	Disc Plough	01
x.	Auger	01
xi.	Electric lawn mower	08
xii.	Brush Cutter	05

4. Facilities developed by the Section

i. Small Nursery fulfilling basic requirement of Landscaping, Plantation and flower decorations in various University functions.

ii. Shade house

iii. Lath house

iv. Compost pits

v. Maintenance of landscaping and beautification as per requirements of campus

Program conducted

1. Section Organized **"Cleaning Program for Green Campus and Clean campus"** on 17th June, 2019 to 31st July 2019.
2. Section Organized to **"Paudh Vitaran Samaroh-2019"** on 28th August, 2019 for creating awareness among society and people about the importance of plants.
3. Section organized "Congress grass Unmulan Saptah" on 02nd September, 2019 to 09th September, 2019 for congress grass free campus.
4. Section organized **"Vraksharopan Pakhawara"** on 01st August, 2019 to 15th August, 2019 with the objective of creating a green campus and igniting the awareness about plants and their benefits to society.
5. Section organized **"Park Swatchhta Pakhwada"** on 12th September, 2019 to 02nd October, 2019 for green and clean campus.
6. Section distributed Tulsi Plant in various Schools and Hostels with the objective of creating awareness about medicinal value of plants.

Development work

1. Development of Mangal Vatika for Societal development infront of SBBST administrative Building.
2. Beautification and renovation of Central garden in Guest house.
3. Development and maintenance of V.C. camp office garden.
4. Beautification of campus by planting flower plant in campus.

Maintenance work

Section maintains 50 acre lawn in the campus.

1. 40 acre vacant land is cleaned.
2. 11000 running meter hedge for maintaining clean campus.
3. The entire plantation executed in the past is maintained by the section through regular trimming, purning, turf management and maintenance of pots etc.
4. Maintenance and beautification ofall University buildings and gardens viz., Hostels/Schools/ Administrative/Guest house/ Auditorium.
5. Section maintains a small nursery for fulfilling basic requirement like
   a. Decoration of Meeting Hall.
   b. Decoration of stage during University function like
      - Foundation Day.
      - Convocation.

- Ambedkar Jayanti.
- Independence Day.
- Republic Day and other University functions.

c. Preparation of Flower pots for winter/ seasonal flower saplings for decoration in various program in campus.

Future Plan

i. To product Organic manure in the University Campus.

ii. To Develop Vermicompost Unit in Nursery.

iii. To facilitate for permanent irrigation system in various gardens of the University i.e. V.C. office, back side of Environmental building, main arterial road and Rose garden etc.

iv. To develop Panch Tatva Jogging path in Bodhi Park.

v. To develop Cactus garden in the University campus.

vi. Collaboration with various Aurvedic, Herbal garden farms from available flora in the University campus for the increasing the earning of the University.

vii. To develop a Green belt in the University campus for a pleasant and healthy environment conducive for academics.

viii. To develop water ponds in the University Campus for the recharging of ground water.

ix. To open a sale counter for the selling of various product/plants produce in the section.

FINANCIAL STATEMENT

ABSTRACT OF THE FINANCIAL STAEMENT

1st April 2019 to 31st March 2020

		2019-2020		2018-19	
S No.	**Particulars**	**Amount**	**Amount**	**Amount**	**Amount**
1	Total Receipts side of Receipts & Payment Account		1,44,02,24,233.22		1,23,19,63,671.76
	a) Grants Received During the year-	80,03,71,648.00		73,15,28,446.00	
	b) Earmarked Fund				
	c) Interest received	1,29,86,085.00		1,90,76,228.00	
	d) EMF Receipts	5,64,96,846.50		4,28,66,471.00	
	e) Other income	16,46,20,133.74		6 57 20 553.00	
	f) Any Other receipts	60,49,445.00		53,36,037.00	
	g) Opening Balance in Cash & at Bank	39,97,00,074.98		36,74,35,936.76	
2	Total Payment side of Receipts & Payment Account		1,44,03,19,396.45		1,23,19,63,671.76
	a) Expenses of Non Plan Account	89,22,59,500.84		33,56,94,580.88	
	b) Expenses of Plan Account	2,55,22,147.00		8,82,12,725.00	
	c) Earmarked Fund	6,68,25,813.88		9,37,01,677.37	
	d) Investment	1,27,96,000.00		4,04,19,750.00	
	e) Other Payment	56,36,832.00		27,42,34,863.53	
	f) Closing Balance in Cash & at Bank	43,72,79,102.73		39,97,00,074.98	
3	Income Plan/XII Plan		2,52,01,270.00		43,78,587.00
	a) Grants/Subsides	2,21,29,164		10,91,446.00	
	b) Interest Earned	30,72,106.00		32,87,141.00	
4	Expenditure Plan		26,09,476.00		66.00
	a) Establishment Expenses	38,498.00		-	
	b) Administrative Expenses	16,65,215.00		66.00	
	c) Academic Expenses	8,46,424.00			
	d) Repairs & maintenance	59,339.00			

ABSTRACT OF THE FINANCIAL STAEMENT

1st April 2019 to 31st March 2020

		2019-2020		2018-19	
S No.	**Particulars**	**Amount**	**Amount**	**Amount**	**Amount**
5	Income - Non Plan		81,61,22,055.74		92,45,32,282.00
	a) Grants/Subsidies	65,50,53,939.00		75,27,84,225.00	
	b) Fees/Subscription	15,61,49,490.74		16,55,06,667.00	
	c) Interest Earned	6,67,143.00		7,20,703.00	
	d) Other Income	42,51,483.00		55,20,687.00	
6	Expenditure-Non Plan		42,84,01,307.02		15,92,23,368.00
	a) Establishment Expenses	32,42,16,363.00		4,15,23,676.00	
	b) Administrative Expenses	15,10,41,515.67		5,69,73,607.00	
	c)Academic Expenses	35,80,56,400.00		2,87,67,063.00	
	d) Repairs & maintenance	1,62,45,440.00		3,19,59,022.00 5,64,53,708.68	
7	Depreciation on Fixed Assets	5,40,99,467.02			
8	Profit/(Loss) Earned During The Year		(8,94,51,721.12)		2,14,15,381.22
	Non Plan Account Profit				
	Plan Account Profit				
9	Fixed Assets & Capital WIP		2,38,45,41,419.61		2,41,31,18,739.63
10	Investment				
11	Current Assets, Loan & Advance		75,56,56,793.74		71,67,01,564.99
12	Earmarked Fund		3,16,34,122.47		2,21,37,265.91
13	Current Liabilities & Provisions		62,87,77,191.00		53,85,39,581.19
14	Capital Fund		2,47,97,86,899.98		2,56,91,43,457.69

GLIMPSES OF VARIOUS ACTIVITIES OF BBAU






























Prof.Sanjay Singh







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