COMPLETE PROFILE

Name: **Dr. Narendra Kumar**
Designation: Associate Professor
Department: Environmental Science
School: Earth and Environmental Science
Mob No.: +91-9918527968
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https://orcid.org/0000-0002-3749-664X
ResearchGate: https://www.researchgate.net/profile/Narendra_Kumar27

Education Qualification

Qualification	Organization	Year of award
Undergraduate	C.S.J.M. University, Kanpur, India	1998
Post-graduation	Babasaheb Bhimrao Ambedkar University, Lucknow, India	2001
Ph.D.	Babasaheb Bhimrao Ambedkar University, Lucknow, India	2010

Professional Experience (In Years)

Teaching Experience: 18 Years
Research Experience: 18 Years

Areas of Research (Maximum Five Bullet Points)vz

- Phytoremediation
- Ground and surface Water Pollution
- Air Pollution

Research/Consultancy Grants

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)	33.6 Lakhs	PI
2	Impact assessment of dissolved metals in ground	UGC, New	2 years (26.07.2012 to	7.3 Lakhs	PI

	water on health and water quality in the industrial, agricultural, and urban areas of Kanpur, Uttar Pradesh'	Delhi	25.07.2014)		

Publications

1. Sanjeev Kumar, Ritu Singh, Nisha Kumari, Susmita Karmakar, Monalisha Behera, Arif Jamal Siddiqui, Vishnu D. Rajput, Tatiana Minkina, Kuldeep Bauddh & **Narendra Kumar** (2021) Current understanding of the influence of environmental factors on SARS-CoV-2 transmission, persistence, and infectivity. Env. Sc. Poll. Res. https://doi.org/10.1007/s11356-020-12165-1 (I.F. 3.056)
2. Anis, Abdullah Khan, **Narendra Kumar**, Mujeebul Hasan (2020), Diagenesis and Porosity Evolution of Pachmarhi Sandstones (Early Triassic), Satpura Gondwana Basin, Central India. Journal Indian Association of Sedimentologists. 37 (2), 37-48
3. Dinesh Kumar, D.S.Malik. **Narendra Kumar**, 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-3.472)
4. Dhananjay Kumar, Priyanka, Vertika Shukla, Sanjeev Kumar, R.B.Ram, **Narendra Kumar** (2019) Metal Pollution Index and Daily Dietary Intake of Metals Through Consumption of Vegetables. International Journal of Environmental Science and Technology. **17**, pages3271–3278(2020) (IF-2.54)
5. 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. **16**, pages7791–7798(2019) (IF-2.191)
6. Venkatesh Dutta, Nisha Fatima, **Narendra Kumar**. (2018) Excessive fluoride in groundwater of central Ganga Alluvial Plain: a case study of Fatehpur, North India. International Journal of Environmental Science and Technology https://doi.org/10.1007/s3762-018-2145-5 (Impact Factor - 2.54).
7. **Narendra Kumar**, Mahiya Kulsoom, Vertika Shukla, Dhananjay Kumar, Priyanka, Sanjeev Kumar, Jaya Tiwari, Neetu Dwivedi. (2018) Profiling of heavy

metal and pesticide residues in medicinal plants. Environmental Science and Pollution Research. **25**, pages29505–29510(2018) (IF-3.056).

8. **Narendra Kumar**, Dhananjay Kumar, Sanjeev Kumar, Vertika Shukla, Preeti Shukla, Beenu R aj, (2018) Spatio-temporal variations in hydro-geochemistry of groundwater at rural, urban and industrial areas of Kanpur, India. Environmental Sustainability., **1**, pages197–208(2018)
9. Poonam, Sushil Kumar Bharti, **Narendra Kumar** (2018) Kinetic study of lead (Pb2+) removal from battery manufacturing wastewater using bagasse biochar as biosorbent. Applied Water Science. 8:119. (IF - 0.82)
10. Dhananjay Kumar, Sushil Kumar Bharti, Sangeeta Anand and **Narendra Kumar** (2018) Bioaccumulation and biochemical responses of *Vetiveria zizanioides* grown under Cadmium and Copper stresses. Environmental Sustainability. **1**, pages133–139(2018).
11. Ganesh Chandra Kisku, Vinay Kumar, Pokhraj Sahu, Pramod Kumar and **Narendra Kumar** (2018) Characterization of coal fly ash and use of plants growing in ash pond for phytoremediation of metals from contaminated agricultural land. International Journal of Phytoremediation, 20(4):330-337. (IF – 2.570)
12. Dhananjay Kumar, Sushil Kumar Bharti,Sangeeta Anand and **Narendra Kumar** (2018) Defluoridation of water with the help of copper phytoremediated *Andrographis paniculata* plant biomass. Journal of Environmental Biology. 39 (5): 664-670 (IF – 0.781).
13. Pramod K. Rajak, Vijay K. Singh, Prakash K. Singh, Asha Lata Singh, **Narendra Kumar,** Om Prakash Kumar, Vishvajeet Singh, and Aniruddha Kumar (2018), Geochemical implications of minerals and environmentally sensitive elements of Giral lignite, Barmer Basin, Rajasthan (India). Environmental Earth Sciences, October 77:698 (I.F. 2.180)
14. Sushil Kumar Bharti, Arti Trivedi, **Narendra Kumar** (2018) Air pollution tolerance index of plants growing near an industrial. Urban Climate. June 24 (6) 820-829 (IF – 3.834)
15. Sushil Bharti, Sangeeta Anand , Dhananjay Kumar, S.C. Barman, Poonam, **Narendra Kumar,** (2017) Characterization and morphological analysis of

individual aerosol of PM10 in urban area of Lucknow, India. Micron. 1.3 (12) 90–98 (IF – 1.726)

16. Neha, Dhananjay Kumar, Preeti Shukla, Sanjeev Kumar, Kuldeep Bauddh, Jaya Tiwari, Neetu Dwivedi, S.C. Barman, D.P. Singh, **Narendra Kumar**. (2017). Metal Distribution in the sediments, water and naturally occurring macrophytes in the river Gomti, Lucknow, Uttar Pradesh, India. Current Science. 113(8):1578-1585 (IF – 0.964)
17. Anjali Singh, Ashwani Raju, Pitamber Pati, **Narendra Kumar** (2017). Mapping of coal fire in Jharia coalfield, India: a Remote Sensing Based Approach, Journal of Indian Soc Remote sensing. **45**, 369–376 (IF – 0.997).
18. **Narendra Kumar,** Sanjeev Kumar, Kuldeep Bauddh, Neetu Dwivedi, D.P.Singh and S.C.Barman (2014). Toxicity assessment of flash light manufacturing industry effluent by bioassay test in methi (*Trigonella foenumgracum*). J. Env. Biol. 35(6):1107-1113. (IF – 0.781)
19. **Narendra Kumar,** Sanjeev Kumar, Kuldeep Bauddh, Neetu Dwivedi, Preeti Shukla, D.P.Singh and S.C.Barman, (2014). Toxicity assessment and accumulation of metals in Radish irrigated with battery manufacturing industry effluent. Int. J. of Veg. 21 (4): 373-385 (IF – 0.530)
20. **Narendra Kumar,** Kuldeep Bauddh, Sanjeev Kumar, Neetu Dwivedi, D. P. Singh and S.C. Barman, (2013). Accumulation of metals in weed species grown on the soil contaminated with industrial waste and their phytoremediation potential. Ecol. Eng. 61, 491-495 (IF – 3.600)
21. **Narendra Kumar,** Kuldeep Bauddh, Sanjeev Kumar, Neetu Dwivedi, D.P. Singh and S.C.Barman, (2013). Extractability and phytotoxicity of heavy metals present in petrochemical industry sludge. Clean Techn Environ policy 15 (6), 1033-1039 (IF – 2.400)
22. **Narendra Kumar,** Kuldeep Bauddh, S.C. Barman, Neetu Dwivedi, and D.P.Singh, (2012). Accumulation of metals in selected macrophytes grown in mixture of drain water and tannery effluent and their phytoremediation potential. Journal of Environmental Biology 33, 923-927 (IF – 0.781)
23. S.C. Barman, **N. Kumar**, R. Singh**,** G.C. Kishku, A.H. Khan, M.M. Kidwai, R.C. Murthy, M.P.S. Negi, P. Pandey, A.K. Verma, G. Jain, and S.K. Bhargava. (2010)

Assessment of urban air pollution and it's probable health impact. Journal of Environmental Biology. 31(6) 913-920 (IF – 0.781)

24. Ramesh Singh**,** D.P. Singh, **Narendra Kumar,** S.K. Bhargava, and S.C. Barman. (2010) Accumulation and translocation of heavy metals in soil and plants from fly ash contaminated area. Journal of Environmental Biology. 31, 421-430 (IF – 0.781)
25. **Narendra Kumar,** Sanjeev Kumar, Kuldeep Bauddh, Neetu Dwivedi, Kunwar Anand Singh and D.P. Singh. (2009) Phytotoxicity of industrial effluent to *Raphanus sativus* L. and *Trigonella foenumgracum* L. J. Ecophys. Occup. Health. 9, 163-169. (UGC Care Listed)
26. **Narendra Kumar,** Kuldeep Bauddh, Ramesh Singh, S.C.Barman, D.P.Singh and S.K.Bhargava. (2009) Phytotoxicity of trace metals (Cu & Cd) to Gram *(Cicer orientinum)* and Mung *(Phaseolus mungo).* J. Ecophys. and Occup. Health. 9, 59-65(UGC Care Listed)
27. Ranjeev K Sahu, Shaswat Katiyar, Awadhesh K Yadav, **Narendra Kumar**, Jatin Srivastava (2008) Toxicity Assessment of Industrial Effluent by Bioassays; Clean – Soil Air Water, 36(5-6); 517-520 (IF – 1.580)
28. L.P. Srivastava, **Narendra Kumar**, K.P.Gupta, R.B.Raizada (2006) Status of HCH Residues in Indian Medicinal Plant Materials. Bull Environ Contam Toxicol 76 : 782-790 (IF – 1.04)

National

1. Poonam and **Narendra Kumar** (2018) Efficiency of sweet lemon (*Citrus limtta*) biochar adsorbent for removal of chromium from tannery effluent. Indian Journal of environmental protection, 38(3): 246-256.
2. Chandbibi, Poonam, Dhananjay Kumar and **Narendra Kumar** (2017) Ground Water Quality Evaluation in Rural Areas of Lucknow, Uttar Pradesh, India. Water and energy international. 60(9): 54-59
3. Sangeeta Anand, Sanjeev Kumar and **Narendra Kumar** (2017) Phytoremediation of inorganic and heavy metals through aquatic macrophytes from Flashlight manufacturing industry effluent, Geophytology 48(1): 29-40.
4. Sushil Kumar Bharti, Dhananjay Kumar, Sangeeta Anand, Poonam, S. C. Barman, **Narendra Kumar** (2017). Temporal variation and Trace metal

characterization of particulate matter in ambient air of rural and urban areas of Lucknow, India. Climate Change and Environmental Sustainability. 5(1):75-82

5. Sushil Kumar Bharti, Dhananjay Kumar, Sangeeta Anand, Poonam, Shymal Chandra Barman, **Narendra Kumar (2017)**. Source apportionment of PM_{10} & $PM_{2.5}$ using Principal component analysis in urban area of Lucknow. International Journal of Environmental Science. 8(1/2)
6. Sangeeta Anand, Sushil Kumar Bharti, Dhananjay Kumar, **Narendra Kumar** (2016). Phytoremediation of flashlight manufacturing effluent through aquatic macrophytes. International Journal of Science, Technology and Society. 2(1&2);67-73.
7. Anjali Verma, M. Yunus, **Narendra Kumar** (2016) Climate change and Disasters issues and concern of Proposed Sharda –Yamuna Link. International Journal of Science, Technology and Society 2(1&2):1-09.
8. Dhananjay Kumar and **Narendra Kumar** (2016). Tannery Effluent Toxicity Assessment on the Growth and Germination of *Phaseolus vulgaris* L. (Bean). International Journal of Green and Herbal Chemistry 5(2): 139-144.
9. **Narendra Kumar**, Poonam, Sanjeev Kumar, Singh D.P. (2015). Ground water quality evaluation at suburban areas of Lucknow, U.P.,India. International Journal of Environmental Sciences. 6(3):376-387.
10. Anjali Verma, **Narendra Kumar**. (2015). Inter Basin Water Transfer of Rivers from Sharda to Yamuna using Construction Techniques. Indian Journal of Applied Research. 5 (2), 252-254.
11. Anjali Verma, **Narendra Kumar**. (2015). Interlinking of rivers in India: Proposed Sharda- Yamuna Link. IOSR Journal of Environmental Science, Toxicology and Food Technology. 9 (2), 28-35.
12. Anjali Verma, **Narendra Kumar**. (2014). Role of proposed inter -basin water transfer projects in drought and flood management. International Journal of Current Research. 6(7):7356-7357

Book Chapters

1. 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.

2. 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
3. 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
4. **Narendra Kumar** 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
5. 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
6. 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
7. 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.
8. Sanjeev Kumar, Mahesh Kumar, Ritu Singh, Dhananjay Kumar, Ravindra Prasad, Ankit, Anita Rani, and **Narendra Kumar** (2018) Plant–Microbe Symbiosis A Synergistic Approach for Heavy-Metal Bioremediation. In

Bhargava (eds) Recent Advances in Environmental Management. CRC Press Taylor & Francis Group 299-216.

9. Dhananjay Kumar, Sanjeev Kumar, **Narendra Kumar** (2018) Common Weeds as Potential Tools for In Situ Phytoremediation and Eco- Restoration of Industrially Polluted Site. In: Chandra et al. (eds) *Phytoremediation of Environmental Pollutants*. CRC Press Taylor & Francis Group. 271-284.
10. Dhananjay Kumar, Sanjeev Kumar, Vertika Shukla, **Narendra Kumar** (2017) Adaptation Strategies of Plants Against Common Inorganic Pollutants and Metals. In: Shukla et al. (eds) *Plant Adaptation Strategies in Changing Environment*, Springer Nature Singapore 315-328.
11. Vertika Shukla, Ankita Asati, Devendra K Patel, Manoj Semwal, **Narendra Kumar** and Dalip K Upreti (2017) Metabolic Profiling And Its Plausible Environmental Significance In A Common Himalayan Lichen. . In: Shukla et al. (eds) *Plant Adaptation Strategies in Changing Environment*, Springer Nature Singapore 235-251.
12. Poonam, Shamshad Ahmad, **Narendra Kumar**, Paromita Chakraborty and Rich Kothari (2017) Plant Growth Under Stress Condition: Boon or Bane. . In: Shukla et al. (eds) *Plant Adaptation Strategies in Changing Environment*, Springer Nature Singapore. 253-289
13. Ravindra Prasad, Sanjeev Kumar, Anuj Kumar Yadav, Shailendra Kumar, Mahesh Kumar, Ritu Singh and **Narendra Kumar** (2017) Impacts Of Climate Change On Agriculture: Adaptation, Mitigation And Environmental Policy. . In: Shukla et al. (eds) *Plant Adaptation Strategies in Changing Environment*, Springer Nature Singapore. 329-345.
14. Dhananjay Kumar, Poonam, Kuldeep Bauddh, Jaya Tiwari, D. P. Singh and **Narendra Kumar** (2017), *Ricinus Communis*: An ecological engineer and a biofuel resource. In: Bauddh et al. (eds) *Phytoremediation Potential of Bioenergy Plants*. Springer Singapore, 139-167
15. Sangeeta Anand, Sushil Kumar Bharti, Neetu Dviwedi, S.C. Barman and **Narendra Kumar** (2017), Macrophytes for the reclamation of degraded water bodies with potential for bio-energy production. In: Bauddh et al. (eds) *Phytoremediation Potential of Bioenergy Plants*. Springer Singapore, 139-167

16. Jaya Tiwari, Atul Kumar and **Narendra Kumar** (2017), Phytoremediation potential of industrially important and biofuel plants: *Azadirachta indica* and *Acacia nilotica*. In: Bauddh et al. (eds) *Phytoremediation Potential of Bioenergy Plants*. Springer Singapore, 211-254.
17. Dhananjay Kumar, D. P. Singh, S. C. Barman and **Narendra Kumar** (2016), Heavy metal and their regulation in plant system: An overview. In: Singh et al. (eds.), *Plant Responses to Xenobiotics*, Springer Singapore, 19-38.
18. Dhananjay Kumar and **Narendra Kumar** (2016), Impact of Organic Farming on Livelihood of Dalits of Lucknow Region of Uttar Pradesh. In: Sobti et al. (eds) *The Contribution of Babasaheb Ambedkar for Development of Modern India*, Excel India Pub. 200-206
19. Dhananjay Kumar and **Narendra Kumar** (2016), Phytoremediation of Heavy Metal Pollutants from Wastewater Environment using Aquatic Macrophytes. In: Bhargava and Saxena (eds) *Bioremediation of Industrial Pollutants*, Write and Print Pub. 332-351
20. Komal Sharma and **Narendra Kumar** (2016), Accessibility of safe drinking water: A case study of Lucknow District. Sobti et al. (eds) *The Contribution of Babasaheb Ambedkar for Development of Modern India*, Excel India Pub. 213-230.

Authored Books: None

Edited Books

1. **Narendra Kumar** and Vertika Shukla **(Editors)** (2021): Persistent Organic Pollutants in The Environment: Origin and Role, CRC Press. ISBN: 9780367512880.
2. 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
3. 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.

4. Naveen Kumar Arora and **Narendra Kumar (Editors)** (2019) Phyto and rhizo remediation. Springer Nature, Germany. ISBN 978-981-32-9663-3
5. Vertika Shukla, Sanjeev Kumar and **Narendra Kumar (Editors)** (2017) Plant adaptation strategies in changing environment. Springer Nature, Singapore. ISBN 978-98110-6743-3

Patents: None

Research Supervision:

	Completed	Ongoing
PG Dissertation	36	02
Ph.D	5	3

Honors, Recognition and Awards:

- ✓ Awarded for publishing research work in the journals with high impact factor in the 2013-2014 by the Vice-chancellor, Babasaheb Bhimrao Ambedkar University, Lucknow, India

Membership of Professional Bodies

- ✓ Member, Board of Management, Babasaheb Bhimrao Ambedkar University, Lucknow, India
- ✓ Member, Academic Council, Babasaheb Bhimrao Ambedkar University, Lucknow, India
- ✓ Member, Extra Moral Studies Organization, Babasaheb Bhimrao Ambedkar University, Lucknow, India
- ✓ Member, Media Cell, Babasaheb Bhimrao Ambedkar University, Lucknow, India
- ✓ Member, Placement Cell, Babasaheb Bhimrao Ambedkar University, Lucknow, India
- ✓ Member, School Board, School of Environmental Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow, India
- ✓ Member, Board of Post-graduate Studies, Babasaheb Bhimrao Ambedkar University, Lucknow, India
- ✓ Member, Internal Quality Assurance Cell, Department of Environmental

Science, Babasaheb Bhimrao Ambedkar University, Lucknow, India

- ✓ Life member, Professor H.S.Srivastava Foundation for Science and Society, Lucknow, India
- ✓ Member Admission Committee, Babasaheb Bhimrao Ambedkar University, Lucknow, India
- ✓ Life member-International Society for Environmental Botanist, CSIR-National Botanical Research Institute, Lucknow 226001, INIDA

Seminar/Conference/Symposia/Workshops Organized:

- **Organizing secretary**, in national conference "**Climate change and sustainable development: Emerging Issues and Mitigation Strategies**" proposed to be held on 23-24 November, 2015 at Babasaheb Bhimrao Ambedkar University, Lucknow.
- **Organizing secretary** in national conference on "Gomti Yatra and National Seminar on Rejuvenation of River Gomti: Past, Present and Future (GY&NSRRG-2015)" held on 14th-16th March, 2015 at Babasaheb Bhimrao Ambedkar University, Lucknow.

Countries Visited: None

Invited Lectures/Talks/Chair/Co-Chair in Seminar/Conference/Symposia /Workshops:

S. No.	Title of the Lecture /Academic Session	Title of Conference/Seminar etc.	Organised by	Whether International/national
1	Application of mathematical models in environmental quality assessment	National Conference on Mathematical techniques in engineering and technology	Department of Applied Mathematics, School of Physical sciences, B.B.A.University, Lucknow. 30-31, March 2016	National

2	Cost Benefit Analysis of Interlinking of Rivers	Emerging Economies and Challenges to Sustainability towards Developing Nation	Sri Aurobindo College, University of Delhi, New Delhi. 29-30 March, 2016	National
3	Role of women in environmental movements	Visualization of Dr. Ambedkar for empowerment of women in India: Issues and Prospects	Committee of Basic Facilities for women, B.B.A. University, Lucknow. 08-09, March 2016	National
4	Dr. Ambedkar's Global Vision: Development and Environmental Concern	Dr. Ambedkar's Global Vision: The emerging knowledge society in 21st century	Department of Political science B.B.A.University, Lucknow. 07-09, March 2016	International
5	Challenges before sustainable development in the era of climate change	Changing paradigm of management practices for sustainable development	School of Management studies, B.B.A.University, Lucknow. 05-06, March 2016	International
6	Data Integration and its validation in environmental Monitoring	Information Security Challenges	Department of Information Technology B.B.A.University, Lucknow. 24, Feb 2016	National
7	Sustainable Development: Issues and Challenges	Globalisation, Environment and Social Justice: Perspectives, Issues and Concerns	Department of Sociology, B.B.A.University, Lucknow. 15-16, Feb 2016	International
8	Career Opportunities in the Field of Applied Biosciences	Emerging Prospects of Applied Biosciences in Present Scenario	Deptt. Of Industrial Microbiology, DBPG College, Bachharanwa, Raibareli, U.P. 15th Oct, 2015	National
9	Characterization of Particulate Matter at Urban	3rd Lucknow science Congress and National Conference on	B.B.A.U., Lucknow 31- Oct to 2nd Nov, 2015	National

	Areas of Lucknow, India	(Science for Society-An Interdisciplinary Approach)		
10	Organic farming: A Boon for Food security and Livelihood	Innovation in Animal Sciences for Food Security, Health Security and Livelihood	Babasaheb Bhimrao Ambedkar University and Zoological Society of India 29-31 Oct, 2015	International
11	Equitable access to natural resources: Issues and Challenges	Privatization of Education and social justice in India	Department of Sociology, B.B.A.University, Lucknow. 16-17, Nov. 2015	National
12	Biomedical Waste Management	National Seminar on Waste Disposal Crisis: Issue and Challenges	Armapore P.G. College, Kanpur March 29-30th , 2015	National
13	Role of Computational Models in environmental science	Modelling and computing	Department of Computer Science, School of Information Science & Technology, B.B.A.University, Lucknow. 10-11, Jul. 2014	International
14	Heavy metal Estimation in some Indian medicinal plants material	Environmental Constraints, Conservation and Resource Development of medicinal plants for health and societal benefits	School of Environment and Natural Resources, Doon University, Dehradun 21st-23rd March, 2014	National
15	Disaster Management	Mainstreaming Climate Change Adaptation & Disaster Risk Reduction	Department of Environmental Science B. B. A. University, Lko. 7th March 2014	National
16	Practical Approach towards sustainable	Environmental Technology and Sustainable Development:	Department of Environmental Science B. B. A. University, Lko.	International

	Development	Challenges & Remedies	21st-23rd Feb 2014	
17	Ground water Contamination due to fluoride in periurban areas of Lucknow.	Scientific and Technological Advancements: Social Issues and Health Concerns	School of Home Science, B. B. A. University, Lko 18 th -19th Feb, 2014	International
18	Role of nanotechnology in water treatment	International Conference on nanoscience and Nanotechnology	Department of Applied Physics, School for Physical Sciences B. B. A. University, Lko 18th -20th Nov 2013	International
19	Disaster Management Perspective	Uttarakhand Disaster : Contemporary Issues of Climate Change and Development with holistic approach	Sri Dev Suman Uttarkhand University, Badshahithaul, Tehri Garhwal, Uttarakhand 25th -27th Oct 2013	National
20	Environmental education at Primary, secondary and tertiary level	Environment, Education & Society	Department of Environmental Science B. B. A. University, Lko 5th June 2013	National
21	Applicapability of Mathmatical models in the field of Environmental Sciences	Mathmatical Modelling and Numerical Simulation	Department of Applied Mathmatics, B. B. A. University, Lko 01st-03rd Jan 2013	International
22	Biodiversity Conservation	Invited Talk	Mishri Lal Shital Prasad Sarvoday Mahavidyalay, Barabanki, U.P. 24/11/2012	Regional
23	Biogeochemic al Cycle	Invited Talk	Mishri Lal Shital Prasad Sarvoday Mahavidyalay, Barabanki, U.P.	Regional

			20/10/2012	
24	Air Pollution: causes, consequence and control	Remedial Classes	UGC Remedial Coaching, V.B.S. Purvanchal University, Jaunpur 30/09/2012	National
25	Ecological Indicators	Remedial Classes	UGC Remedial Coaching, V.B.S.Purvanchal University, Jaunpur 29/09/2012	National
26	Ecological Pyramids	Invited Talk	Mishri Lal Shital Prasad Sarvoday Mahavidyalay, Barabanki, U.P. 15/09/2012	Regional
27	Air Pollution; Causes, consequence and control	Invited Talk	Mishri Lal Shital Prasad Sarvoday Mahavidyalay, Barabanki, U.P. 11/08/2012	Regional
28	Ozone Layer Depletion	Invited Talk	Mishri Lal Shital Prasad Sarvoday Mahavidyalay, Barabanki, U.P. 04/08/2012	Regional
29	Global Warming	Invited Talk	Mishri Lal Shital Prasad Sarvoday Mahavidyalay, Barabanki, U.P. 28/07/2012	Regional
30	PM_{10}: Monitoring and Probable Health Impacts	National Science Day Function	Institute of Biosciences and Biotechnology, C.S.J.M.U., Kanpur. 28/02/2011	National

31	Occupational Health Hazards	Environment Day Celebration	Institute of Biosciences and Biotechnology, C.S.J.M.U., Kanpur. 05/06/2010	National
32	EIA of coal based thermal power plants	National Workshop on Environmental Impact assessment	Centre for Environment, Institute of science and Technology, JNTU, Hyderabad, 2-3th Dec 2009	National
33	Bioremediation: An emerging technique for pollution control	Scope and application of microbes in agriculture and environment	Deptt. of Microbiology, Institute of Biosciences & Biotechnology, CSJM University, Kanpur 19-21st, 2007	National
34	Drinking water availability in Ambedkar Grams	Dalits and Human Development: Contemporary Issues and Emerging Patterns	Dr. Ambedkar Studies Centre, B. B. A. University, Lko 29-30, Nov. 2006	National
35	Metal accumulation in aquatic macrophytes	Second International conference on Plants and Environmental Pollution	International Society of Environmental Botanist & NBRI, Lucknow 4-9th Feb, 2002	International

Additional Information (If Any)

Additional responsibilities:

- ✓ Coordinator, Department of Geology, Babasaheb Bhimrao Ambedkar University, Lucknow, India
- ✓ Warden, Ashoka Boys Hostel (Extn), Babasaheb Bhimrao Ambedkar University, Lucknow, India
- ✓ In-charge Guest House, Babasaheb Bhimrao Ambedkar University, Lucknow, India
- ✓ Coordinator, Sports Activities, Babasaheb Bhimrao Ambedkar University,

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