

**Name: Dr. Neeshma Jaiswal**  
**Designation: Assistant Professor**  
**Department: Zoology**  
**School: Life Sciences**  
**Tel No:**  
**Mob No.: 8528794158; 9450405647**  
**Email: neeshiversity@gmail.com**  
**Webpage:**



### Education Qualification

	Organization	Year of award
<b>Undergraduate</b>	<b>University of Allahabad</b>	<b>1999</b>
<b>Post-graduation</b>	<b>University of Allahabad</b>	<b>2002</b>
<b>Ph.D.</b>	<b>University of Allahabad</b>	<b>2007</b>
<b>Post-Doctoral Training</b>	<b>University of Allahabad</b>	<b>2011-2016</b>

### Professional Experience (In Years)

Teaching Experience: 13 years

Research Experience: 12 years

### Areas of Research (Maximum Five Bullet Points)

- Morphological and Taxonomical Studies of Parasites
- Molecular and Phylogenetic Analysis of Parasites
- Environmental Parasitology
- Biological metabolites

### Research/Consultancy Grants

Title of Projects	Funding Agency	Duration (Specific Dates)	Total grant	Role (PI/CO-PI)
Zoonotic induced alterations in histo-chemical correlates, oxidative stress and ecological dynamics of certain riverine fishes	UGC	2019-2021	100000/-	PI
Capacity Building of Women to Target Biological Product Utilization for Sustenance	DST	2009-2011	15,0000/-	PI
Investigations on evolutionary process and capacity building in helminth taxonomy	PADI Foundation	2007-2008	\$1800	PI
Fallout levels of <sup>137</sup> Cs, <sup>239</sup> Pu and <sup>3</sup> H in river water, sediments, fish samples and	BRNS	2010-2012	43,0000/-	PI

influence on biota of river Ganges from Gangotri to Allahabad				
---	--	--	--	--

## Publications

<b>International</b>				
Author/s (Year), Title, Name of Journals, Volume (Issue), Page no.				
<b>National</b>				
Author/s (Year), Title, Name of Journals, Volume (Issue), Page no.				
<b>Book Chapters</b>				
Author/s (Year), Title, Name of Book, Publisher, Edition, ISBN No., Page no.				
<b>Authored Books</b>				
Author/s (Year), Title, Name of Book, Publisher, Edition, ISBN No., Page no.				
<b>Edited Books</b>				
Author/s (Year), Title, Name of Book, Publisher, Edition, ISBN No., Page no.				

### List of Publications

#### A. Research Publications

##### INTERNATIONAL: 9

S.No	Year	Title of the Research Paper	Journal Name /Vol. Page No/ UGC Listed	ISSN/ISBN No.	Authors	Impact Factor
1.	2018	Molecular diagnostic procedures using RT-PCR to alleviate taxonomic impediments of parasite species segregation	MoJ Proteomics Bioinform	7(1):00213	Malviya, S., Jaiswal, Neeshma and Malhotra, Sandeep K.	0.41
2.	2017	Low virulence potential and in vivo transformation ability in the honey bee venom treated <i>Clinostomum complanatum</i> .	Experimental Parasitology. 183:33-40	<a href="http://doi.org/10.1016/j.exppara.2017.10.007">http://doi.org/10.1016/j.exppara.2017.10.007</a> .	Rehman, A., Ullah, R., Jaiswal, N., Khan, M.A.H., Rehman, L., Beg, M.A., Malhotra, Sandeep K. and Abidi, S.M.A.	1.821
3.	2017	Molecular characterization of host-	International	ISSN:	Jaiswal, Neeshma	

		specific Raphidascaridoid worms from the Gangetic Garfish (Teleostomi: Belonidae) in India	Journal of Molecular Biology 2 (1): 1-16.	09760482 doi:10.9735/09760482	and Malhotra, Sandeep K.	
4.	2017	Accentuated molecular detection technique to segregate and identify helminths of fish through High Resolution Melting (HRM) analysis	Single Cell Biol 2017, 6:2,	DOI: <a href="https://doi.org/10.4172/2168-9431.1000163">10.4172/2168-9431.1000163</a> , ISSN: 21689431	Jaiswal, Neeshma, Tripathi, Rashmi and Malhotra, Sandeep K.	
5.	2015	Helminth infections mediated DNA Change: Mechanism and consequences.	Single Cell Biol 2015, 4: 117	doi: <a href="https://doi.org/10.4172/2168-9431.1000117">10.4172/2168-9431.1000117</a> ISSN: 21689431	Rashmi Tripathi, Jaiswal Neeshma, Bechan Sharma and Sandeep K. Malhotra	1.0
6.	2014	Keys to the species of <i>Neolebouria</i> Gibson, 1976 (Digenea: Opecoelidae: Plagioporinae), with a redescription of <i>Neolebouria truncate</i> (Linton, 1940).	<i>Systematic Parasitology</i> 88 (3):213-225.	DOI 10.1007/s11230-014-9498-z ISSN: 15735192	Dronen, Norman O., Blend, Charles K., Núñez, Margarita C. Ostrowski, Malhotra, Sandeep K. and Jaiswal Neeshma	1.510
7.	2014	A new species of <i>Neolebouria</i> Gibson, 1976 (Opecoelidae: Plagioporinae) from the white cheek monocle bream, <i>Scolopsis vosmeri</i> (Perciformes: Nemipteridae), from the Panjim coast at Goa, with a checklist of parasites previously reported from this fish.	<i>Zootaxa</i> 3802(1):098-108	ISSN: 11755334	Jaiswal, N., Upadhyay, S. K., Malhotra, A. Blend, Charles K., Dronen, Norman O. and Malhotra, Sandeep K.	1.03
8.	2012	The morphology and genetic characterization of <i>Iheringascaris goai</i> n. sp. (Nematoda: Raphidascarididae) from the intestine of the silver whiting and spotted catfish off the central west coast of India., Cambridge University Press.	<i>Journal of Helminthology, UK.</i> 86(3): 353-362	ISSN 0022149X, 14752697	Malhotra, A., Jaiswal, N., Malakar, A.K., Verma, M.S., Singh, H.R., Lakra, W.S., Malhotra, S.K. and Shamsi, S.	1.421

9.	2012	Multifactorial etiology of infections by larvae of <i>Eustrongylides tubifex</i> (Nematoda: Dioctophymidae) in silver whitening of the Central West Coast of India at Goa.	Asian Journal of Biological Sciences, 6(1):21-39.	ISSN 19963351	Jaiswal, N., Upadhyay, S. K., Malhotra, A. and Malhotra, Sandeep K.	0.21
----	------	--	---	---------------	---	------

**NATIONAL: 36**

S.No	Year	Title of the Research Paper	Journal Name /Vol. Page No/ UGC Listed	ISSN/ISBN No.	Authors	Impact Factor
1	2018	Seasonal and temporal intervention of endo-parasitic helminthes in freshwater fish <i>Wallago attu</i> .	Journal of Biological Sciences and Medicine. 4,4 (December, 2018)	ISSN: 24555266	Anvita Tiwari, Savita, Neeshma Jaiswal and Kamal Jaiswal	
2	2018	Distribution pattern of helminthes parasites in <i>Channa punctatus</i> .	Journal of Biological Sciences and Medicine. 4,4 (December, 2018)	ISSN: 24555266	Neeshma Jaiswal, Shruti Verma and Sandeep K. Malhotra	
3	2016	Antiradical and antioxidant properties of some oxovanadium (IV) complexes of I-amino acids	Journal of Biological Sciences and Medicine, Vol.2 (4)	ISSN: 2455-5266	Pandeya, K.B., Tripathi, I.P., Mishra, M.K. and Jaiswal, Neeshma	
4	2016	Ganga River Water Pollution: A Review.	Asian Journal of Biochemical and Pharmaceutical Research, Vol. 6 (2)	ISSN: 22312560. AJPBR-2236	Mishra, Priya, Malhotra, Sandeep K. and Jaiswal, Neeshma	
5	2016	A comparative experimental study of the Ganga River Water Quality in Kanpur, Varanasi and Allahabad	Asian Journal of Biochemical and Pharmaceutical Research Vol. 6 (2)	ISSN: 2231-2560. AJPBR-2237	Mishra, Priya, Malhotra, Sandeep K. and Jaiswal, Neeshma	
6	2015	Molecular characterization and phylogeny of <i>Senga gangesii</i> (Gairola and Malhotra, 1986a) with Mit coi and 18S rRNA and SEM illustrations to uphold validity of Indian Bothriocephalidean tapeworms	In: <i>Modern Biotechniques and Biotechnology</i> . (Eds Gupta Neelima and Gupta DK.). Discovery	(ISBN:978-93-5056-749-4)  <b>Chapter in</b>	Malhotra Anshu, Jaiswal Neeshma, Upadhyay SK and Malhotra, Sandeep K.	

		from river Ganges at Allahabad.	Publishing House Pvt. Ltd., New Delhi (India).  Pp 44-70	<b>Book</b>		
<b>7</b>	<b>2015</b>	Barcode structure and SEM as tools to address issues of synonymization of invasive parasites with revised key to family Cucullanidae and redescription of a Bothriocephalid	in Faunal Diversity in India p 135-164.	(ISBN No. : 978-93-84337-22-3)  <b>Chapter 7 in Book</b>	Sandeep K. Malhotra & <b>Neeshma Jaiswal</b>	
<b>8</b>	<b>2014</b>	Helminths and protozoans of zoonotic significance from fish of Central West Coast of India at Goa and riverine ecosystems at Allahabad).	Workshop Manual of National Workshop on Recent Advances in Nematode Taxonomy, Meerut. P 46-61	- <b>Chapter in Book</b>	<b>Jaiswal, N.</b> and Malhotra, Sandeep K.	
<b>9</b>	<b>2014</b>	Pepsin digestion method to isolate parasitic infective stages from fish tissues	Workshop Manual of National Workshop on Recent Advances in Nematode Taxonomy, Meerut. P 67	<b>(Chapter in Book)</b>	<b>Jaiswal, N.</b> and Malhotra, Sandeep K.	
<b>10</b>	<b>2014</b>	DNA Barcoding: A reliable tool of Biomolecular Parasitology	Workshop Manual of National Workshop on Recent Advances in Nematode Taxonomy, Meerut. P 76-81.	<b>(Chapter in Book)</b>	Upadhyay, Sushil K., <b>Jaiswal, N.</b> and Malhotra, Sandeep K.	
<b>11</b>	<b>2016</b>	Bioinvasion-A Paradigm Shift from Marine to Inland Ecosystems.	<i>Journal of Parasitic Diseases</i> , 40 (2): 348-358.	DOI: 10.1007/s12639-014-0506-7; ISSN 09717196 (2014 online).	<b>Jaiswal, N.,</b> Malhotra, A. and Malhotra, Sandeep K.	
<b>12</b>	<b>2013</b>	Advances in Fish Parasitology- Emerging Paradigms of Parasitic Bioinvasions	Training Manual on Advances in aquatic animal health	(Chapter in Book)	Malhotra, Sandeep K., Jaiswal, N. and Malhotra, A.	

			management in finfish and shellfish, Central Institute of Fisheries Education, Mumbai. 71-90. (11-31 <sup>st</sup> October, 2013).			
13	2013	Pathogenic protozoans and helminths of commercial and Zoonotic significance in marine & freshwater ecosystems	Hands-on Training programme on Techniques for identification, pathobiology and control of fish parasites, Department of Zoology, Andhra University, Visakhapatnam w.e.f. 20-24 <sup>th</sup> January.	(Chapter in Book)	Jaiswal, N. and Malhotra, Sandeep K.	
14	2012	Ecological morphotaxometry of trematodes of garfish (Teleostomi: Belonidae) from Gangetic riverine ecosystem in India. III. Principal Component Analysis in the dynamics of <i>Cephalogonimus yamunii</i> (Upadhyay, Jaiswal, Malhotra and Malhotra, 2012)	<i>Journal of Parasitic Diseases</i> , 38 (2): 153-162	ISSN 09717196; DOI: 10.1007/s12639-012-0200-6.	Jaiswal, N., Upadhyay, Sushil K., Malhotra, Anshu and Malhotra, Sandeep K.	
15	2012	Ecological morphotaxometry of trematodes of garfish (Teleostomi:Belonidae) from Gangetic riverine ecosystem in India. II. Correlation of seasonality and host biology with distribution pattern of <i>Cephalogonimus yamunii</i> n.sp.	<i>Journal of Parasitic Diseases</i> , 36, Sep 11, 2012 – 2013 Oct;37(2):211-217	ISSN 0971-7196; DOI 10.1007/s12639-012-0168-2.	Upadhyay, Sushil K., Jaiswal, N., Malhotra, Anshu and Malhotra, Sandeep K.	
16	2012	Ecological morphotaxometry of trematodes of garfish (Teleostomi: Belonidae) from Gangetic riverine ecosystem in India. I. Morphology and taxometric assessment of by <i>Cephalogonimus yamunii</i> n.sp.;	<i>Journal of Parasitic Diseases</i> , 36 2013 Oct; 37(2): 218–224	ISSN 09717196; DOI: 10.1007/s12639-012-0169-1.	Upadhyay, Sushil K., Jaiswal, N., Malhotra, Anshu and Malhotra, Sandeep K.	

17	2011	Taxometric analysis of helminthes of marine fishes. 1. <i>Pedunculacetabulum spinatum</i> n.sp., from <i>Chorinemus mandetta</i> and <i>Wenyonia rhincodonti</i> n.sp., from <i>Rhincodon typus</i> .	<i>Journal of Parasitic Diseases</i> 2011 Oct; 35(2): 222–229 8pp	ISSN 0971-7196; DOI: 10.1007/s12639-011-0049-0,	Malhotra, A., Jaiswal, N., Singh, H.R., and Malhotra, Sandeep K.	
18	2011	Information infrastructure in biodiversity assessment.	<i>Proceedings of the Zoological Society of India</i> , (Sp. Iss.: Parasitology) 1, 17-24.	ISSN 09726683	Jaiswal, N, Malhotra, A. and Malhotra, Sandeep K.	
19	2011	Application of numerical taxonomy for morphological and taxometric substantiation of cystidicolid nematodes, <i>Ascarophis alatae</i> n.sp. from Indian eels.	<i>Proceedings of the Zoological Society of India</i> , 1, 45-50.	ISSN 0972-6683	Kumar, S., Jaiswal, N, Malhotra, A., Upadhyay, S. K., Capoor, V.N. and Malhotra, Sandeep K.	
20	2010	Predictative hypothesis for parasite disease outbreaks of Anisakid nematodes	The Scientific Temper 1, 127-130	ISSN 09768653	Jaiswal, N., Malhotra, A., and Malhotra, Sandeep K.	
21	2009	Biochemical variants amongst Strongylurinae and Heterakinae and differentiation vis-à-vis tapeworms.	Indian J. Helminth (N.S.), 27, 17-22.	ISSN 00195227	Kumar, S., Jaiswal, N., Malhotra, A., and Malhotra, Sandeep K.	
22	2009	An aspidoderid roundworm <i>Pseudospidodera cordinae</i> n.sp. from rodents at Allahabad.	Indian J. Helminth (N.S.), 27, 89-94. India.	ISSN 0019-5227	Upadhyay, S. K., Jaiswal, N., Malhotra, A., and Malhotra, Sandeep K.	
23	2009	Avian roundworm from the gangetic plain <i>Oxynema allahabadensis</i> n.sp. from <i>Coturnix coturnix</i> .	Indian J. Helminth (N.S.), 27, 67-72. India.	ISSN 0019-5227	Kumar, S., Jaiswal, N., Malhotra, A., and Malhotra, Sandeep K.	
24	2009	Parasite stress response in Zoonoses of <i>Cephalogonimus</i> sp.	<b>Indian J. Helminth (N.S.), 27, 73-80. India.</b>	<b>ISSN 0019-5227</b>	Malhotra, A., Jaiswal, N., Upadhyay, S., Kumar, S., and Malhotra, Sandeep	

					K.,	
25	2009	5-tier integrated biotechnological farming system initiated in Uttar Pradesh.	<b>Fishing Chimes.</b> 28 (10/11), 58-63.	<b>ISSN 0971452 (Article)</b>	Malhotra, A., Jaiswal, N. and Malhotra, Sandeep K.	
26	2008	Overdispersed roundworm populations and influence of environmental stress on athogenicity in fish.	<b>Proc. Internatl. Conf. Biodiv. Conserv. &amp; Mgt., 373-381.</b>	<b>ISBN 978-81-907269-7-9 (Proceedings of the Conference)</b>	Nouara Emrajee M. Elazirg, <b>Jaiswal, N.</b> and Malhotra, Sandeep K.	
27	2008	Phylogenetic Significance of nematode transmission strategies.	<b>Proc. Internatl. Conf. Biodiv. Conserv. &amp; Mgt., 9-14.</b>	<b>ISBN 978-81-907269-7-9 (Proceedings of the Conference)</b>	<b>Jaiswal, Neeshma,</b> and Malhotra, Sandeep. K.	
28	2007	Distribution and abundance relationship in infra-communities of proteocephalid tapeworms infesting sharks of Arabian Sea at Goa.	<b>Proc. Zool. Soc. India,</b> 6(2), 58-63.	<b>ISSN 0972-6683</b>	<b>Jaiswal, Neeshma,</b> Malhotra, Anshu, Malhotra, Sandeep K.	
29	2007	Taxometric assessment of organisms in ichthyoparasitology of an Indian sub-humid region. III.-Cestodes. <b><i>Polyonchobothrium yamunica</i></b> n.sp. from <b><i>Mastacembelus armatus</i></b> in river Yamuna at Allahabad.	<b>Nat. Jour. Life Sci.,</b> 4(3)153-156.	<b>ISSN 09735453</b>	Kumar, S., <b>Jaiswal, Neeshma,</b> Malhotra, A., Malhotra, Sandeep K. and Capoor, V.N.	
30	2007	Villagers sensitized at scientists'-farmers' interface to integrated giant freshwater prawn-fish production in Uttar Pradesh.	<b>Fishing Chimes.</b> 27(2), 13-16.	<b>ISSN 0971-452 (Article)</b>	Malhotra, Sandeep K., <b>Jaiswal, Neeshma,</b> Malhotra, Anshu, and Sunil Kr.	
31	2007	Evolutionary Ecology of Risk Assessment Tools and Invasive Strategies in Aquaculture..	Proceedings of National Workshop on Sustainability of Indian Aquaculture Industry, Agricultural & Food Engineering Department, Indian Institute of Technology, Kharagpur w.e.f. 28-29 <sup>th</sup>	<b>(Proceedings of the Conference)</b>	Malhotra, Sandeep K., Jaiswal, N., and Malhotra, A.	



			September, 2007 Special Paper- 04, p.38-45			
32	2007	sao%au samaud/ma piryaaojanaa sao p`Baaiva%a ivadoSal p`jaai%a GausapOz ko ivanaaSakarI Aayaama.	<b>Iva&amp;ana</b> , 93(4), 24-27.	<b>ISSN</b> <b>3731200.</b>	<b>nalYmaa</b> <b>jaayasavaala</b> , A^Msau malhao~a, sa^Mdlp ku0 malhao~a %aqaa ArivaMd imaEa	
33	2005	Giant Freshwater Prawn Farming Enters Uttar Pradesh. 2005.	<b>Fishing Chimes</b> , <b>25</b> (1), April, <b>2005</b> , 195-196	<b>ISSN 0971-</b> <b>452 (Article)</b>		
34	2005	skOmpl saMvaQa-na maom %aalaaba inamaa-Na ko bauinayaadl isaWan%a gaa^Mva ko AnauBava.	<i>In: <b>Scampi in Uttar Pradesh</b>.</i> 30-33: Ankit Publ., India.	<b>Chapter in Book</b>	nalYmaa jaayasavaala	
35	2004	Laser induced fluorescence and time domain investigations to establish the role of parasites and scales on fish as bioindicators of environmental contamination	<b>Parasites and Diseases</b> (Eds. Neelima Gupta & D.K. Gupta), 103-110.	<b>Chapter in Book</b>	<b>Neeshma</b> , Malhotra, Sandeep K., Geetanjali, Gopal, R., and Malhotra A.	
36	2003	Synergistic effect of fluoridation and parasitization inducing cranial deformity in hatchery-bred <b>Labeo rohita</b> at Allahabad	<b>University of Allahabad Studies (NMS)</b> , 2: 11-14.	<b>ISSN</b> <b>09732829.</b>	Geetanjali, <b>Jaiswal</b> , <b>Neeshma</b> , Mishra, A, and Malhotra, Sandeep, K.	

### Patents

	Inventors	Title and Award/Application no.
<b>Awarded</b>	Neeshma Jaiswal, Anshu Malhotra Sandeep K. Malhotra, Sunil Kumar	<b>Patent: No. 282490 "An Improved Apparatus for Collection of Honey bee Toxin"/ (Application No.139/DEL/2007)</b>
<b>Published</b>	2017	
<b>Filed</b>	2007	

### Research Supervision

	Completed	Ongoing
<b>PG/M.Phil</b>	06	10
<b>Ph.D</b>	NIL	04
<b>Post-Doctoral</b>	NIL	NIL

## Honors, Recognition and Awards

- i. **Bio-ved Young Scientist Associate Award-2020** for outstanding contribution in the field of Parasitology on the occasion of 22<sup>nd</sup> Agricultural Scientists and Farmer Congress on Post Harvest Technology and Management for empowering the rural society and employment generation at BIOVED, Prayagraj during 22<sup>nd</sup>-23<sup>rd</sup> February, 2020.
- ii. **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 29<sup>th</sup> April, 2019.
- iii. **Awarded Certificate of Appreciation** for introducing bee keeping in BBAU Campus by Royal Honey and Bee Farming Society, Lucknow in One day Awareness Workshop on Entrepreneurship Development Possibilities based on MGIRI Technologies (a beginner’s workshop on sustainable development of agriculture and small scale industry), Wardha in association with Department of Zoology, BBAU & Zoological Society of India on 15<sup>th</sup> February, 2019
- iv. **Recognition Award** for outstanding contribution in the field of Parasitology on the occasion of National Workshop on Recent Technologies for Food Security and Rural Development at Allahabad w.e.f. 19-25<sup>th</sup> February, 2018 by Society of Biological Sciences & Rural Development.
- v. **Honored for the invaluable contribution in Hands- on Training for DST-INSPIRE Internship Science Camp 2015 held at Department of Botany, University of Allahabad w.e.f. 3-7<sup>th</sup> November, 2015 by Department of Science and Technology, GOI, New Delhi and University of Allahabad, Allahabad-211002, U.P., India**
- vi. **Gold Medal for Best Oral Presentation** in 26<sup>th</sup> All India Congress of Zoology & International Symposium on Innovation in Animal Sciences for Food Security, Health Security and Livelihood-2015 at Babsaheb Bhimrao Ambedkar University (A Central University), Lucknow w.e.f. 29-31<sup>st</sup> October, 2015.
- vii. **Recognition Gold Medal** of GBMP at University of Allahabad, Allahabad w.e.f. 12-15<sup>th</sup> December, 2014.
- viii. **Prof. M. B. Mirza Gold Medal Award for Best Research Paper Publications** from Indian Society of Parasitology at University of Kalyani, Kalyani, West Bengal, October 30<sup>th</sup>-2<sup>nd</sup> November, 2010.
- ix. **Young scientist Award for Best Poster Presentation**, during 20<sup>th</sup> National Congress of Parasitology held at North–Eastern Hill University, Shillong, November 3-5<sup>th</sup> 2008.
- x. **Gold Medal for Best Poster Presentation** at UGC-SAP Sponsored National Seminar on Biodiversity of Himalayan States: with Special Reference to Uttarakhand, March 2007, Gurukul Kangri University, Haridwar.
- xi. **Gold Medal** of Zoological Society of India for **Best Research Paper (Oral Presentation)**–XVII<sup>th</sup> National Congress of Zoology held at Baramati (Pune) on 15-17<sup>th</sup>

October, 2006.

- xii. **Rapporteur**- Special Lecture session (Speaker: Prof. Hanu Sareeneema, Denmark) at National Chemical Laboratory, Pune held in 2005.
- xiii. 1<sup>st</sup> Prize at Science Society Scampi Training Workshop, 2004.
- xiv. **1<sup>st</sup> Prize at Science Society Quiz**, 2004.
- xv. **II<sup>nd</sup> Prize at Science Society Quiz**, 2003.
- xvi. **1<sup>st</sup> Prize at Science Society “Biodiversity Workshop”**, 2003.
- xvii. Received **Science Society Award 2001** for achieving **First Position** in the Competitive section of the Working Model Competition, University of Allahabad.
- xviii. Won First prize and shield for the **Best Working Scientific Model** in the State Level Science & Technology Exhibition and Mela for popularization of Science at Pratapgarh (U.P.), 26-30 Dec., 2001.
- xix. Placed seventh in order of Merit in M.Sc. programme during the year 2002, Department of Zoology, University of Allahabad.

#### **Membership of Professional Bodies**

- ✓ **F.Z.S.I. 2006** (Fellow of the Zoological Society of India)
- ✓ **F.H.S.I. 2010** (Fellow of Helminthological Society of India)

#### **Life Memberships**

- ✓ Life Member of Indian Society of Parasitology (LM-692).
- ✓ Life Member of Indian Science Congress Association (L11801)
- ✓ Life Member of Zoological Society of India
- ✓ Life Member of Helminthological Society of India

#### **Seminar/Conference/Symposia /Workshops Organised**

##### **International: 04**

- i. **2014**-Global Biodiversity Meet on Parasites and Aquatic Ecosystem Health & International Satellite Workshop on Biotechnological Approaches for Environmental Sustainment w.e.f. **12-15<sup>th</sup> December, 2014** as **Workshop In-charge**.
- ii. **2010**- International Conference on Radiation, Environment and Health held on **19<sup>th</sup> –21<sup>st</sup> November** at Nehru Gram Bharati University, Allahabad as **Organizing Secretary**.
- iii. **2009**- **International Workshop on Aquatic Bio-resource Biotechnology and Parasite Diversity** held on **9-15<sup>th</sup> October** at Allahabad.
- iv. **2006**-**Young Scientist Workshop on Parasitic & Microbial Taxa Biodiversity & Aquaculture Implications** 23<sup>rd</sup> -28<sup>th</sup> September, 2006.

## National: 10

- i. 2013-National Workshop on Biomolecular Parasitology and Resource Sustainability w.e.f. 3-5 December, 2013. Parasitology Laboratory, Department of Zoology, University of Allahabad, Allahabad, U.P.
- ii. 2012- National Workshop on Capacity Building in Disease Control & Sustenance & Mini Symposium on Parasitic Diseases. 5-7<sup>th</sup> November, 2012 at Department of Zoology, Allahabad Central University, Allahabad.
- iii. 2012-National Symposium on Challenges in Biodiversity Conservation and Sustainability (CBCS-2012) held on 17-18<sup>th</sup> March at Department of Zoology, Allahabad Central University, Allahabad.
- iv. **2011- National Seminar on Advances in Laser Spectroscopy** held from 7-8<sup>th</sup> March, 2011 at Department of Physics, Nehru Gram Bharti University, Allahabad. **(Co-Convener).**
- v. **2010- National Workshop on Climate Change and Perspectives in Health and Biotechnology** held on 9-11<sup>th</sup> December at Allahabad Central University, Allahabad.
- vi. **2008- National Workshop on Biotechnology & Parasitology for Sustenance (NWBPS) 6<sup>th</sup>-8<sup>th</sup> December**, Allahabad Central University, Allahabad.
- vii. **2006- Young Scientist Workshop on Parasitic and Microbial Taxa Biodiversity & Aquaculture Implications** w.e.f. 23<sup>rd</sup> -28<sup>th</sup> September, 2006 organized by Parasitology Laboratory, Department of Zoology, University of Allahabad, Allahabad and Jan Jaiv Welfare Society, Allahabad.
- viii. **2006-National Symposium on Biosafety Perspectives**, 25-26<sup>th</sup> September, 2006.
- ix. **2006- Satellite Symposium on Biosecurity for Sustainable Aquaculture**, 25<sup>th</sup> September, 2006.
- x. **2006-National Integrated Scampi-Fish culture and Bee Farming Workshop**, 18-23<sup>rd</sup> August, 2006.

## Countries Visited

- a) 2014: Invited for **Poster Presentation** at **XIII<sup>th</sup> International Congress of Parasitology, 2014** at **Hotel Camino Real, Mexico** w.e.f. **10-15<sup>th</sup> August, 2014.**
- b) 2013: Invited for **Oral Presentation** at **“Aquaculture 2013”** at Convention Hall, Nashville, U.S.A. w.e.f. February 21-27<sup>th</sup>, 2013 (Not Attended)
- c) 2011: **6 months Training (Employment Visa Pass till Feb., 2012)** opportunity in Dr. R. Manjunatha Kini's, **Protein Chemistry Lab, Department of Biological Sciences, National University of Singapore, Singapore** on crude venom peptide analysis by HPLC and Mass Spectrophotometer, **27<sup>th</sup> June, 2011 onwards.**
- d) 2010: Visited Dr. Kini R. Manjunatha's, **Protein Chemistry Lab, Department of Biological Sciences, National University of Singapore, Singapore** and get acquainted with crude venom peptide analysis by HPLC and Mass Spectrophotometer, 5<sup>th</sup>-12<sup>th</sup> September, 2010.
- e) 2010: Visited Dr. Shokoofeh Shamsi's lab, **School of Animal and Veterinary Sciences, Charles Sturt University, Wagga Wagga, Australia**, delivered a

seminar on “**Honey bee venom-A precious resource**” and got training on Molecular taxonomy of nematodes, 22<sup>nd</sup>-4<sup>th</sup> September, 2010.

- f) **2010:** Presented Poster Research Paper at **XII<sup>th</sup> ICOPA, Melbourne, Australia**. 15-21<sup>st</sup> August, 2010.
- g) **2007:** Presented Oral Research Paper at **World Aqua, Hanoi, Vietnam**, 5-8<sup>th</sup> August, 2007.
- h) **2007:** Visited **Research Institute of Aquaculture 1 (RIA 1), Vietnam**, 9-11<sup>th</sup> August, 2007.
- i) **2007:** Visited **CENTEX SHRIMP Lab, Mahidol University, Bangkok, Thailand**, 11-16<sup>th</sup> August, 2007.

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

\*  
\*  
\*

#### **Additional Information (If Any)**

- i) Participated in Orientation Course held at HRDC Lucknow University, Lucknow from 03<sup>rd</sup> July to 31<sup>st</sup> July 2018 (28 days)
- ii) Training on Faculty Development Program implemented by Centre of Technology and Entrepreneurship Development (CTED) in Association with Entrepreneurship Development Institute of India (EDII), Ahmedabad organized at BBAU, Lucknow Sponsored by Department of Science & Technology (DST), Govt. of India, New Delhi w.e.f. 8<sup>th</sup> January to 19<sup>th</sup> January, 2019 (10 days).
- iii) Participated and successfully completed one-week International Multidisciplinary Faculty Development Program from 06-06-2020 to 12-06-2020 organized by Internal Quality Assurance Cell (IQAC) under CPE Scheme approved by UGC of Ranvir Rananjay Post Graduate College, Amethi, U.P., India.
- iv) Participated and successfully completed one-week national level online hands- on Faculty Development Program on “Reskilling using ICT Tools” from 15-06-2020 to 21-06-2020 organized by the Department of Computer Science and Engineering of Dr. M.G.R. Educational and Research Institute, Maduravoyal, Chennai.

**Foreign Trainings: 02**

- i. 2010: Mechanism of Bioinvasion & Molecular techniques in Parasitology at Faculty of Science, School of Animal & Veterinary Sciences, Charles Sturt University, Wagga Wagga, Australia & also presented a seminar. 24 days in 2010.
- ii. 2011: Training on Advanced techniques like Mass spectroscopy, HPLC, LC-MS and MS-MS, Department of Biological Sciences, Faculty of Science, National University of Singapore, Singapore 129 days in 2011.

### **National Trainings: 12**

- i. 2012: Training course on “**Genomic DNA isolation, PCR amplification of ITS1, ITS2, Coi and 18S rRNA genes, analysis of gene sequence data by MEGA5 and Clustal W**” conducted by **Biotechnology Laboratory, Central Inland Fisheries Research Institute, Barrackpore, Kolkata, W.B. w.e.f. 23<sup>rd</sup> June- 07<sup>th</sup> July, 2012.**
- ii. 2007: **Workshop on “Management of IPR in Biotechnology”, 15-16<sup>th</sup> March, at Lucknow.**
- iii. 2005: Received Training on **Advanced Biochemical Analysis in Aquaculture, Central Institute of Fisheries Education, Mumbai, 13<sup>th</sup>-25<sup>th</sup> April.**
- iv. 2005: Workshop on “**Antibiotic and Pesticides Residues in fish and other marine products by LC/MS/MS and GC/MS/MS on 20<sup>th</sup> April at Reliable Analytical Laboratories**”, Mumbai on 20<sup>th</sup> April.
- iv. 2005: Integrated scampi-fish and Apiculture Workshop w.e.f. 3-5<sup>th</sup> February, at University of Allahabad.
- v. 2004: Mushroom Cultivation Workshop, 4-25<sup>th</sup> January, 2004, University of Allahabad.
- vi. 2004: Satellite Scampi Farming Refresher Course & Training Workshop, Phase-II, 13-17<sup>th</sup> February, 2004.
- vii. 2003: Satellite Scampi Farming Awareness & Training Workshop, Phase-I, 21-25<sup>th</sup> July, 2003.
- ix. 2003: Scampi Farmers’ Meet cum Awareness Programme, organized by Marine Products Export Development Authority (MPEDA), Science Society and Fish Farmer’s Development Agency, Allahabad on 22<sup>nd</sup> July, 2003 at the University of Allahabad.
- x. 2003: Applied Fisheries Orientation Programme organized jointly by Science Society, University of Allahabad & Fish Farmer’s Development Agency w.e.f. 31<sup>st</sup> Jan.–4<sup>th</sup> Feb., 2003 at University of Allahabad.
- xi. 2003: Received Training in **Microbiology & Cell Culture Techniques** at NAAC Accredited “A” Level College of Science, Jabalpur, 15<sup>th</sup> –19<sup>th</sup> April, 2003.
- xii. 2002: Participated in “**Management Development Program in Bioinformatics**” 5<sup>th</sup> –6<sup>th</sup> October 2002, at Bioinformatics Institute of India, Noida, New Delhi.