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Designation	Professor and Head (Dept. of Animal Science) Dean Student Welfare					
Department	Department of Animal Science					
Address (Campus)	M.J.P. Rohilkhand University, Bareilly- 243006 (U.P.) India.					
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Education						
Subject	Institution	Year	Details			
Ph.D.	Aligarh Muslim University, Aligarh	1981	Thesis topic: <i>Trypanosome</i> parasites of some fishes of Aligarh.			
M. Phil.	Aligarh Muslim University, Aligarh	1979	Zoology			
M.Sc.	Aligarh Muslim University, Aligarh	1977	Zoology			
B.Sc.	Aligarh Muslim University, Aligarh	1975	Zoology (Hons), (Chem, Bot, Eng)			
Career Profile						
Organisation / Institution	Designation	Duration	Role			
MJPRU, Bareilly	Lecturer	1985-1995	Teaching and Research			
MJPRU, Bareilly	Reader	1995-2003	Teaching and Research			
MJPRU, Bareilly	Professor	2003- present	Teaching and Research			
Research Interests / Specialization						
<p>Research interests include morphotaxonomical studies on parasites of different vertebrates from the last 33 years. Worked on biochemical (glucose, protein, cholesterol, alkaline and acid phosphatase) and haematological (TEC, TLC, DLC, Hb %, ESR, PCV, MCV, MCH, MCHC) changes induced in hosts due to parasitic infection. Able to work out co-existence, interaction, dominance, displacement and host specificity of blood parasites by conducting cross- inoculation experiments. Observation made on the impact of ecological factors (age, locality and sex of the host, seasonal variations and annual fluctuations) on parasite incidence and survival and cultivated fish lymphocytes with mitogens, PHA and Con A to generate lymphocyte population for immune mechanisms against parasites. Obtained immune sera by serial passage against trypanosomes for immunization purposes and observed the impact of polluted waters from tributaries of river Ramganga and its tributaries on parasite infectivity in fishes. Research interests also include molecular taxonomy of helminth parasites and molecular biology of <i>Mastomys</i>.</p>						
Teaching Experience (Subjects/Courses Taught)						
1985 -1987 –	Applied Animal Sciences, Physiology, Environmental Science & Wildlife, Embryology, Fisheries & Aquaculture, Animal Parasitology and Pathology and Immunology.					
1987 – till date	Animal Parasitology and Pathology, Immunology					
Honors & Awards						
1977: Babar Inayat Ali Gold Medal						
1977: Roll of Honour						
1984: Young Scientist Gold Medal, Ichthyology						
1985: Young Scientist Award, Parasitology						

1999: **Educationalist of eminence**
 2000: **Best Teachers Award**
 2000: **ZSI Gold Medal**
 2001: **Indian Acad. Environmental Sciences Gold Medal**
 2002: **Senior Scientist Award**
 2004: **Life Time Achievement Recognition**
 2006-2008: **RECORDER, ISCA**
 2007: **Honour for Outstanding Intellectual Recognition**
 2007: **Prof. EP Odum Gold Medal**
 2008: **Dr. B. N. Singh Memorial Oration Award**
 2008: **Senior Scientist Award under Prof. Devendra Prasad Memorial Chair.**
 2009: **Millennium Women Scientist Award.**
 2009: **Nominated by British Council as Member, Higher Education Inward Mission – UK**
 2009. **Prof. J.S. Dutta Munshi Gold Medal, 2009**
 2010. **Platinum Jubilee Award, Indian Science Congress, 2010.**

Publications (LAST FIVE YEARS)

Books / Monographs

<u>Year of Publication</u>	<u>Title</u>	<u>Publisher</u>	<u>Co-Author</u>
2003	Parasites and Diseases	Neeraj Book Publishers, Bareilly.	Gupta, D.K.
2009	World of Pests and Parasites	Sarup Book Publishers Pvt. Ltd., New Delhi.	Pandey, B.N., Trivedi, S.P., Jaiswal, K.

In Indexed/ Peer Reviewed Journals

<u>Year of Publication</u>	<u>Title</u>	<u>Journal</u>	<u>Co-Author</u>
2003	<i>Trypanosoma piscidium</i> n. sp. and its role in inducing anemia in <i>Colsia fasciatus</i> .	In : Biodiversity Conservation, Environmental Pollution and Ecology Vol. II Eds. Pandey, B.N., Choudhary, R.K. & Singh, B.K., A.P.H., Publishing Corporation, N. Delhi 127-133.	Gupta, D.K. & Yadav, P.
	Piscine haemoparasites: Perspectives of ecological relationships and host specificity.	In :Parasites and Diseases. Eds. N. Gupta & D.K. Gupta. Neeraj Publications, Bareilly. 7-20.	
	<i>Haemogregarina</i> infectivity and haematological indices in <i>Rana tigrina</i> .	In: Parasites and Diseases. Eds. N. Gupta & D.K. Gupta. Neeraj Publications, Bareilly. 95-101.	Rastogi,R
	Haematozoan infectivity in polluted stations of river Sankha and Deorania .	In: Parasites and Diseases. Eds. N. Gupta & D.K. Gupta. Neeraj Publications, Bareilly. 217-223.	Khan,A.W. and Gupta,D.K.
	Effect of parasitization by certain heterophyid species in rats and dogs in Egypt.	Biol. Mem. 29: 21-29.	Shalaby,S.I ; Hassan,Nabiha R ; Raafat,A.,Anter, Olfat,M .,EL-

			Mahdy,M.,Mohamed,I.B.
	Protein polymorphisms in <i>Mastomys (Praomys) coucha</i> .	Indian J. Biotech., 2: 553-557.	Maity, B., Guru, P. Y
	Parasitological and pathological studies on extra-intestinal Heterophyiasis.	J.Par.Dis., 27: 39-46.	Shalaby,S.I ; Hassan,Nabiha R ; EL-Mahdy,M.M ; Anter, Olfat,M., Mohamed, Eman,B.
	Impact of concurrent infectivity on haematological indices of cold blooded vertebrates.	In: Contributions to Biosciences. Eds. Pandey, B.N. & Murthy, P.S. ZSI Pub 1-14.	
2004	Effects of paternal inheritance on the growth of <i>Catla catla</i> .	In: Fish Research. Ed. B.N. Pandey, APH Publ. Corp. N. Delhi. 38-42.	Gopal, Krishna and D.K. Gupta
	Pollution impact on the hydrobiology of river Nakatia at Bareilly.	In: Water Pollution Assessment & Management. Ed. Arvind Kumar Daya Publ. House, Delhi. 370-378.	Verma, V.K. & Gupta, D.K.
	<i>Oxysomatium bareilliana</i> n. sp. a nematode parasite from <i>Bufo melanostictus</i> from Rohilkhand region, India: Variance in infectivity during growth of host.	Egypt. J. Vet. Sci., Egypt.38: 23-38.	Chandra, Pooja & Shalaby, S.I.
	Parasitism in blood: Prospects and consequences.	In: Zoology & Human Welfare. Ed. A. Verma. 46-51.	
	<i>Oxysomatium</i> in amphibians and reptiles: Occurrence and adaptability.	In: Zoology and Human Welfare Ed. A. Verma. 367-370.	Chandra, Pooja & Bhaskar, M.
	Anti andro genic effect of alcoholic extract of <i>Abrus precatorius</i> .	In: New Horizon of Animal Sciences. Ed. Pandey <i>et al.</i> 589-594.	Bansal, G., Sharma, S., Jindal,S., S. Sharma,S., Sharma,L.
2005	Haematological indices as indicators of Fish health: Present status and needs.	In: Biodiversity, Ecophysiology & Conservation of freshwater animals. Ed. J. Ojha, Nartendra Publishing House.	

- A record of *Probopyrus bithyunis* (Richardson, 1904) in *Macrobrachium rosenbergii* (de Man) from coastal Andhra Pradesh, India, with special reference to host-parasite relationship. J. Indian Fish. Assoc., Mumbai. 32: 29-37. Raman,R.P., Pagarkar, A.U., Mahesh, M.
- 2006 Haemoparasitocoenosis in selected amphibian, reptilian and mammalian species of Rohilkhand region. Him J. Env. Zool. 20: 61-65. Rastogi, R., Bhaskar, M. & Sharma, P.K.
- The incidence of helminth parasites in amphibian and reptilian populations from Rohilkhand region, India. J. Curr. Sci. 9(1): 185-190. Chandra, P. & Bhaskar, M.
- Two new species of *Trypanosoma* from fresh water fishes (*Heteropneustes fossilis* and *Channa punctatus*) from Bareilly India.. J. Par. Dis. 30(1): 58-63. Gupta, D.K. & Gangwar, R.
- Hydrobiological profile of river Ramganga and Deorania in Rohilkhand region. In. Adv. Env. Sci. & Technology Eds Natarajan *et al.* 108-117. Verma, V.K. & Gupta, D.K.
- Clinical manifestation of experimentally induced fish-borne trematode infection in experimental animals. J. Curr. Sci. 9(2): 443-448. Shalaby, S.I., Anter O., Hassan, N, Mehdy M.El, Mohamed I
- Zinc induced changes on chromosomes of fresh water teleost, *Heteropneustes fossilis* (Bloch). Asian J. Exptl. Sci. 20(2): 281-288. Gupta, D.K., Verma, V.K. and Krishna, Gopal.
- Effect on haematology of *Bufo melanostictus* naturally infected with gastro-intestinal nematodes and blood parasites. Flora and Fauna 11 (2): 153-157. Chandra, P. Rastogi, R. & Gupta D.K.
- Biospectra. 1(1): 23-30. Chandra P, Rastogi R. and Bhaskar M.
- Diversity of parasite fauna in amphibian and

	reptilian populations of Rohilkhand region, India.		
	Morphogenesis and erythrocytic development of a new <i>Hepatozoon</i> species from <i>Rana tigrina</i> of Northern India.	Egypt. J Appl. Sci. 21(8B): 379-396.	Rastogi, R.& Shalaby, S.I.
	Trypanosomiasis: How safe are the red cells. Proc. Allah. Sym. Historical review of piscine trypanosomiasis and survey of Indian <i>Trypanosoma</i> .	Review Article, J.Par.Dis. 30(2): 101-115.	
2007	Ecological attributes of a new species of nematode parasite, <i>Oswaldocruzia upica</i> n.sp. from the amphibian population of Rohilkhand region, Uttar Pradesh, India.	Bull NRC, Egypt. 32: 215-234.	Chandra, P and Shalaby S.I.
	Parasitological and pathological analysis of trematode cyst infestations in <i>Tilapia nilotica</i> , <i>T. zilli</i> and <i>Mugil cephalus</i> .	J. Par. Dis. 31: 38-43.	Shalaby, S.I., Shalaby, S.I.A., Mehdy, M.EI, Anter, O, Hasssan, N, Mohamed, I
	Hazards of aquatic pollution on haemoparasitic invasion and growth of some commercially important freshwater fishes. Invited article.	In: Natural and Anthropogenic hazards on fish and fisheries. Ed. Goswami, U.C. Narendra Publishing House, Delhi. 343-357.	
	Habitat preference and seasonal fluctuations in the helmintho-fauna of amphibian hosts of Rohilkhand zone, India.	Asian J. Exptal. Sci. 21(1): 69-78.	Chandra, P.
	Effect of Tetracycline on the haematology of <i>Haematozoon</i> infected <i>Rana tigrina</i> .	Biospectra. 2: 55-58.	Rastogi, R.
	<i>Proteocephalus bufonis</i> n.sp. (Cestoda: Proteocephalidae) from the toad <i>Bufo melanostictus</i> collected from Uttar Pradesh,	Proc. ZSI. 6(1): 105-112.	Chandra, P.

	India.		
	Taxonomical approach to blood parasites.	National Workshop on Helminth Taxonomy-Revisited. Ed. Ahmed, F. 19-33.	
2008	Amplification of rat microsatellite loci in <i>Mastomys coucha</i> Smith, 1836.	Indian J. Exp. Biol. 46: 627-632.	Gupta, Arti
	Growth, nutrient intake and digestibility of nutrients of growing buffalo calves fed SCT as major source of green fodder.	Biospectra. 3(2): 241-244.	Rathor, M.S. and Garg, A.K.
	Clastogenic effects of lead on the chromosomal complements of <i>Clarias batrachus</i> .	Bull NRC. 33(5): 537-548.	Verma, V.K.; Gupta, D.K.; Krishna, G. and Shalaby, S.I.
	Parasitic Zoonotic infections in Egypt and India: an overview. Review Article.	J. Par. Dis. 32(1): 1-9.	Gupta, D. K. and Shalaby, S.I.
	Molecular characterization of <i>Mastomys (Praomys) coucha</i> using microsatellite markers and PAGE techniques.	In: Cell and Molecular Biology. Eds. Pandey, B.N., Trivedi, S.P., Jaiswal, Kamal and Gupta, D.K. APH Publishing Cooperation. New Delhi. 15-25.	Gupta, Arti.
	Characterization and invasiveness of health parasites in <i>Channa</i> in relation to its length.	In: World of Pests and Parasites. Eds. Pandey, B.N., Trivedi, S.P., Jaiswal, Kamal and Gupta, Neelima. Sarup Book Publishers Pvt. Ltd. New Delhi. 49-57.	Singhal, Priyanka
2009	Gastro-intestinal invasion in <i>Hemidactylus flaviviridis</i> with a new species of <i>Parapharyngodon</i> (Oxyuroidea: Parapharyngonidae).	Zootaxa. 2165: 39-51.	Bhaskar, M. and Gupta, D.K.
	Amplification of cross species rat microsatellite loci in Wistar rats.	Biospectra. 4: 235-242.	Gupta, Arti.
	<i>Genarchopsis</i> infestation in relation to host length and	Biospectra. 4: 257-260	Singhal, Priyanka

	sex in fresh water murrel <i>Channa</i> .		
	Erythrocytic development of <i>Plasmodium indica</i> n.sp. (Haemosporina: Plasmodiidae) from an Indian lizard, <i>Hemidactylus flaviviridis</i> .	Bull. NRC. 34(1): 9-22.	Bhaskar, Manju, Gupta, D.K. and Shalaby, S.I.
	Comparative RFLP and PCR-RFLP techniques for genetic diversity studies on multimammate rats.	Bull. NRC. 34(2): 105-118.	Gupta, Arti, Gupta, D.K. and Shalaby, S.I.
2010	A haemogram of <i>Clarias batrachus</i> parasitized by two species of haemoflagellates (<i>Trypanosoma batrachi</i> Qadri, 1962 and <i>Trypanosoma haematalis</i> n. sp.) as an indicator of infectivity.	Reviews in Fish. Sc. 18(2): 177-182	Gupta, D.K.
	Amplification of rat microsatellite loci in Druckrey.	Bioresources for Rural Livelihood. 1: 85-92.	Gupta Arti
	Molecular Investigation in Wistar Rats by RAPD Typing.	Science and Culture 76 (7-8): 261-266.	Gupta Arti

Articles

Conference Presentations

- Blood parasites and their impact on the physiology of freshwater fishes. 3rd Global Meet on Parasitic Diseases. Bangalore. INV.24, 2004.
- Rectal ciliates in the amphibian population of Rohilkhand region: Susceptibility in varying age groups, 3rd Global Meet on Parasitic Diseases, Bangalore. Abs. 105, 2004.
- Occurrence and competition amongst *Lankesterella* and *Haemogregarina* species in the blood micro niche of the amphibian population. 3rd Global Meet on Parasitic Diseases, Bangalore. Abs. 106.2004
- Occurrence of *Proteocephalus* in *Bufo melanostictus* collected from Bareilly, U.P., India. Proc. 91st Indian Science Congress, Chandigarh. Part III. Abs. 21, 2004 .
- Hypocholesterolemia in albino rat *Rattus norvegicus* due to lead and zinc exposure. 91st Indian Science Congress, Chandigarh. Part III. Abs. 91, 2004.
- Impact of hydrobiological profile of river Deorania on the blood physiology of *Heteropneustes fossilis*. Natl. Sym. on Fish Physiology: Ecol. Consideration. Varanasi, 2004.
- Piscine haematozoans: Ecological variants and susceptibility. Special lecture delivered at

- Haematozoan infectivity and anaemia in fishes. Special lecture. 92nd Indian Science Congress, Ahmedabad. Abs. 24, 2005.
- Helminth infracommunities in common toad, *Bufo melanostictus* from Rohilkhand region, India. 92nd Indian Science Congress, Ahmedabad. Abs. 88, 2005.
- Impact of *Haemogregarina* on some haematological parameters of *Bufo melanostictus*. 92nd Indian Science Congress, Ahmedabad. Abs. 89, 2005.
- Gastrointestinal parasitism in reptiles of Bareilly and Mirzapur district. 92nd Indian Science Congress, Ahmedabad. Abs. 90, 2005.
- Parasitic infection and host specificity of blood flagellates in freshwater fishes of Rohilkhand region. 92nd Indian Science Congress, Ahmedabad. Abs. 94, 2005.
- Toxicological response of zinc on haematological values of *Heteropneustes fossilis* Bloch. 92nd Indian Science Congress, Ahmedabad. Abs. 113, 2005.
- Parasitism in blood: Host specific responses in fish hosts. National Sem. on Recent Trends on Parasitology. Hyderabad, 2005
- Helminth fauna of *Hemidactylus flaviviridis* : Variation in prevalence and intensity with respect to host weight and length in a population of wall lizard. 17th National Cong. Par., Dibrugarh. Abs. 040-P, 2005
- Faunistic diversity in blood milieu of amphibian population of Rohilkhand region, India. 17th National Cong. Par., Dibrugarh. Abs. 041-P, 2005.
- *Trypanosoma*: from plant sap to human blood. 17th National Cong. Par., Dibrugarh. Abs. 150-O, 2005.
- Interference, exploitation and negative interactions amongst concurrent haemo-parasites of fish hosts. International transfer of technology initiative workshop on Parasitology and Genotoxicity in sustainable aquaculture. Allahabad, 2005.
- Erythrophagocytic responses as pathophysiological manifestations of trypanosomiasis. 16th All India Cong. Zool., Aurangabad. Abs. 163, 2005.
- Biodiversity of haematozoan parasites: Competition and negative interactions. National Conference on Environment and Natural Disaster Management Jaipur. IL- 8, 2005.
- Biodiversity of blood dwelling parasites. National Symposium on Biosafety Perspectives Allahabad. Invited lecture, Abs.1, 2006.
- Environmental compatibility of blood parasites. Intl. Symp. Current issues in Zoology and Env. Sc., Gorakhpur, Invited lecture, 2006.
- *Hepatozoon* induced leukocyte changes in *Bufo melanostictus* Intl. Symp. current issues in Zoology and Env. Sc., Gorakhpur. Abs.1.23, 2006.
- Competition of haemoparasites in the blood micro-niche of *Bufo melanostictus*. Intl. Symp. current issues in Zoology and Env. Sc., Gorakhpur. 1.24, 2006.
- Bioinvasion of blood. Applications and recent advances in Life Sciences, Meerut. Keynote Address. 1, 2006.
- Effect on haematology of *Bufo melanostictus* naturally infected with gastrointestinal nematodes and blood parasites. 93rd Indian Science Congress. Abs. 9, 2006.

- Zinc induced changes on chromosomes of a freshwater teleost *Heteropneustes fossilis* (Bloch.). 93rd Indian Science Congress. Abs. 18, 2006.
- Hazards of aquatic pollution on haemoparasitic invasion and growth of some commercially important freshwater fishes. 94th Indian Science Congress Chidambaram.39, 2007.
- Clastogenic effects of lead on the chromosomal complements of *Clarias batrachus*. 94th ISC Annamalai University. 68, 2007.
- Preliminary observations on the incidence of cestode parasites in selected fish, amphibian, reptilian and mammalian hosts from Rohilkhand region, India. 94th ISC Annamalai University. 156, 2007.
- Effect of Tetracycline on the haematology of *Hepatozoon* infected *Rana tigrina*. 94th ISC Chidambaram.191, 2007.
- Serum protein changes in *Rattus norvegicus* due to heavy metal intoxication. 94th ISC Chidambaram.270, 2007.
- Helminth fauna of freshwater fishes of Rohilkhand region in relation to host sex and weight. International Symposium on Recent Advances in Contemporary Biology, Environmental Issues and Sustainable Development. Dumka, Jharkhand. 36, 2007.
- Developmental stages of *Plasmodium* and *Hepatozoon* in *Hemidactylus flaviviridis* and *Calotes versicolor*. International Symposium on Recent Advances in Contemporary Biology, Environmental Issues and Sustainable Development. Dumka, Jharkhand. 102, 2007.
- Amplification of rat Microsatellite loci in *Mastomys coucha*. International Symposium on Recent Advances in Contemporary Biology, Environmental Issues and Sustainable Development. Dumka, Jharkhand, 2007.
- Haemo-parasites and micro-environmental safety.. National Conference on Environmental Safety for Sustainable Future. Shahjahanpur. Key note Address, Abs. PL-3, 2007.
- Serum creatinine levels in the blood micro-niche of *Clarias batrachus* infected with trypanosomes. National Conference on Environmental Safety for Sustainable Future. Shahjahanpur Abs. 3.12, 2007.
- Haematozoan infectivity of *Hemidactylus flaviviridis* and *Calotes versicolor* from different locales of Rohilkhand zone, India. National Conference on Environmental Safety for Sustainable Future. Shahjahanpur. Abs.3.13, 2007.
- Seasonal variation in the incidence and intensity of helminthic infestation *Pallisentis* (Acanthocephalan) in some freshwater fishes of Rohilkhand region. National Conference on Environmental Safety for Sustainable Future. Shahjahanpur. Abs. 3.16, 2007.
- Changes in sulphate concentration of polluted and unpolluted waters of river Ramganga and its tributaries at Bareilly. National Conference on Environmental Safety for Sustainable Future. Shahjahanpur. Abs.3.19, 2007.
- Effects of heavy metals causes alternation in total erythrocyte counts (TEC) in the blood of *Rattus norvegicus* National Conference on Environmental Safety for Sustainable Future. Shahjahanpur. Abs.3.23, 2007.
- Intestinal fauna *Hemidactylus flaviviridis* and *Calotes versicolor* in relation to different

habitats. 18th National Congress of Zoology and SCIAZ, Lucknow. 190, 2007.

- Host length and intestinal parasitic relationship in the freshwater murrel, *Channa*. 18th National Congress of Zoology and SCIAZ, Lucknow. 191, 2007.
- Host environment and energetics of intra - cellular haematozoan. 95th Indian Science Congress, Visakhapatnam. Abs. 22, 2008.
- Differential susceptibility of fish hosts from Rohilkhand region to an acanthocephalan worm, *Pallisentis*. 95th Indian Science Congress, Visakhapatnam, 2008.
- Erythrocytic developmental stages of *Haemoproteus* and *Hepatozoon* in avian and reptilian hosts. 95th Indian Science Congress, Visakhapatnam, 2008.
- Seasonal occurrence of Plasmodia in birds and reptiles. 95th Indian Science Congress, Visakhapatnam, 2008.
- Adaptability of haematozoan parasites in macro-environment diversity. National Conference on Recent Advances in Life Sciences. Plenary lecture Meerut, 2008.
- Biodiversification and multiplication of *Trypanosoma* in fish fauna of sub-himalayan region. National Symposium on Status of biodiversity among the mountainous states of India. Invited lecture Haridwar. Abs. 061, 2008.
- PCR- RAPD analysis for molecular characterization of Charles Foster. National Symposium on Status of biodiversity among the mountainous states of India. Haridwar. Abs. 125, 2008.
- Condition factor of *Channa* in relation to *Pallisentis* infection. 4th J& K State Science Congress, Zoo-6, 2008.
- Phylogenetic analysis of *Mastomys coucha* in relation to mouse and rat by restriction DNA sequences. 4th J& K State Science Congress, Zoo-11, 2008.
- Status of research on parasitic diseases of fish and crustaceans. 8th Indian Fisheries Forum Kolkata. Lead Lecture. SYM- FD- 01, 2008.
- Seasonal population dynamics of *Genarchopsis* infesting freshwater fishes, *Channa* of Rohilkhand region. 8th Indian Fisheries Forum Kolkata. P- AEH- LA 12, 2008.
- Cross species amplification of rat microsatellite loci in Wistar rats. First International Conference on Transdisciplinary Biological Research. Ranchi. AS- 22, 2008.
- *Genarchopsis* infestation in relation to host length and sex in freshwater murrel, *Channa*. First International Conference on Transdisciplinary Biological Research. Ranchi. AS- 25, 2008.
- PCR- RAPD analysis for molecular characterization of Wistar rats. 19th All India Congress of Zoology, Guwahati, 2008.
- Survey on freshwater fishes, *Channa* of Rohilkhand region suffering from Acanthocephalosis. 19th All India Congress of Zoology, Guwahati, 2008.
- Seasonal occurrence of helminthes in the wall lizard, *Hemidactylus flaviviridis*. 19th All India Congress of Zoology, Guwahati, 2008.
- *Icosiella* microfilariae from the blood of amphibian hosts. National Seminar on Recent Advances in Vector Biology and Control. Dehradun. 41, 2008.
- Leech-borne pathogenesis. National Seminar on Recent Advances in Vector Biology and

- Fish diseases with a focus on blood parasite pathogenesis. National Workshop on Biotechnology and Parasitology for Sustenance (NWBPS). Allahabad. 26, 2008.
 - Susceptibility of freshwater fishes, *Channa* to helminth parasites from Rohilkhand region. National Workshop on Biotechnology and Parasitology for Sustenance (NWBPS). Allahabad. 35, 2008
 - Efficacy of drugs for the control of amphibian intracellular haematozoans. National Workshop on Biotechnology and Parasitology for Sustenance (NWBPS). Allahabad. 38, 2008.
 - Amplification of rat microsatellite loci in Charles Foster. 96th Indian Science Congress, Shillong, 2009.
 - Infection dynamics of *Pallisentis* in *Channa*. 96th Indian Science Congress, Shillong, 2009.
 - Climatic change: An overview of the consequences for aquatic animal disease and health. Special Lecture. 96th Indian Science Congress, Shillong, 2009.
 - A report on the gastrointestinal parasites of avifauna *Gallus domesticus* (Linn.). 96th Indian Science Congress, Shillong, 2009.
 - Banding pattern of chromosomal complements of two freshwater teleosts *H. fossilis* and *C. batrachus*. 96th Indian Science Congress, Shillong, 2009.
 - The blood microenvironment at risk under parasitic stress. National Symposium on Environmental that to human health. Invited Lecture. Varanasi. I.L. 05, 2009
 - Evolutionary footsteps of *Trypanosoma*. International Conference on “Advances in Biosciences From Darwin to Dolly and Beyond”. Invited Lecture. Nanded, M.S. 156, 2009.
- region. National Seminar on Status of Biodiversity and Conservation. Haridwar, 2009.
- Occurrence of cestode infestation in the intestine of local poultry (*Gallus domesticus*) in Bareilly region. National Seminar on Status of Biodiversity and Conservation. Haridwar, 2009.
 - Blood borne infections. International Symposium on Tribal Health. Jabalpur. Invited Lecture. 105-O, pp. 87, 2009.
 - Effect of critical mineral and feed supplement of growing buffalo calves. National Seminar on Rural India Development alternatives: Sectoral Convergence for Livelihood Security. Mathura, Abs. 1.30, 2009.
 - Cross species amplification of rat microsatellite loci in Sprague Dawley rats. International Conference on Recent Trends in Life Science Researches vis-a-vis Natural Resource Management, Sustainable Development and Human Welfare at Vinoba Bhave University, Hazaribagh (Jharkhand) India. p. 264, 2009.
 - Global warming and Environmental issues: a perspective. National Seminar on response of ecological components to the phenomenon of global warming (NSREG-2009). Nainital. Abs. 27, 2009.
 - Genetic characterization of laboratory animals. National Seminar on Biotechnology and

Microbiology in human welfare: The Indian Scenario. Lakshmanagarh, Sikar. O-61, 2009.

- Parasitic invasion of blood micro-niche: Evolutionary footsteps. 21st National Congress of Parasitology, Chandigarh. Dr. B.N. Singh Memorial Oration Lecture, 2009.
- Condition factor of *Channa* in relation to *Genarchopsis* infection. 21st National Congress of Parasitology, Chandigarh. FO 5, 2009.
- Fluctuation in the biochemical indices of *Rattus* infected with the cestode parasite, *Hymenandrya*. 21st National Congress of Parasitology. Chandigarh. D7, 2009.
- Population dynamics of gastrointestinal nematode avifauna of local poultry of Bareilly. 21st National Congress of Parasitology, Chandigarh. H7, 2009.
- Prevalence of helminth parasites in *Rattus rattus* in relation to host weight. 2nd International Conference on biowealth management for sustainable livelihood, Ranchi. Abs. 52, 2009.
- PCR-RAPD analysis for molecular characterization of Druckrey rat. 2nd International Conference on biowealth management for sustainable livelihood, Ranchi. Abs. 134, 2009.
- Haemogram of fishes as indicators of haematozoan infectivity. Zoological Society of India, 2009.
- Comparative RAPD marker studies in Wistar and Sprague Dawley rats Zoological Society of India, 2009.
- Hydrobiological profile of tributaries of Ramganga river (Nakatia and Deorania). Zoological Society of India, 2009.
- Amplification of rat microsatellite loci in Druckrey. 97th Indian Science Congress, Thiruvananthapuram, 2010.
- Prevalence of *Trypanosoma* species in *Rattus rattus* in Rohilkhand region. 97th Indian Science Congress, Thiruvananthapuram, 2010.
- Population dynamics of *Genarchopsis* in *Channa striatus* of Rohilkhand region. 97th Indian Science Congress, Thiruvananthapuram, 2010.
- A report on the occurrence of gastrointestinal cestode *Raillietina* of *Gallus domesticus*. 97th Indian Science Congress, Thiruvananthapuram, 2010.
- Life within the blood: Action vs. interaction (Platinum Jubilee Lecture), 97th Indian Science Congress, Thiruvananthapuram, 2010.
- Manifestation of Trypanosomiasis in India. National conference on Strategies for management of Animal Resources and their role in Rural Upliftment (SMASRUP), Shahjahanpur, 2010.
- Studies on helminth parasites in *Rattus rattus* of Rohilkhand Region. National conference on Strategies for management of Animal Resources and their role in Rural Upliftment (SMASRUP), Shahjahanpur, 2010.
- Condition factor of *Channa* in relation to *Clinostomum* infection. National conference on Strategies for management of Animal Resources and their role in Rural Upliftment (SMASRUP), Shahjahanpur, 2010.
- Drug effect on intra-cellular haematozoans. National Symposium on Impact of trends in climatic change on Biodiversity and Faunistic Systems, Haridwar, 2010.
- Genetic diversity between Druckrey and Charles Foster: RAPD as a tool. National

Symposium on Impact of trends in climatic change on Biodiversity and Faunistic Systems, Haridwar, 2010.

- Aquatic pollution and piscine blood-borne infections. National Symposium on Parasite Taxonomy, Biodiversity and Fish Health: Environmental Impact. Visakhapatnam, 2010.
Aquatic pollution in flowering waters of Rohilkhand. National Seminar on Management of Environmental Pollution for Sustainable Energy Production, Bareilly, 2010.

Total Publication Profile optional

Books

2 books.

In Indexed/ Peer Reviewed Journals

118 publications in journals.

Articles

Conference Presentations

189 Conference Presentations.

Public Service / University Service / Consulting Activity

Public Service

Govt. of India

Member, Peer Team, NAAC, Bangalore.
Expert, Union Public Service Commission, New Delhi
Expert, NISCAIR, New Delhi.
Expert, University Grants Commission, New Delhi

Others

Expert, Union Public Service Commission, (U.P.)
Expert, UPSC, Uttaranchal
Expert in various Selection Committees, Inspection Committees
Counsellor in Admission Committees

University Service:

1. Dean, Students Welfare
2. Coordinator, Diploma Courses
3. Ex Cultural Coordinator
4. Ex Coordinator, Affiliated Engg. Colleges
5. Coordinator, IXth Five Year Plan, UGC
6. Chief Coordinator, Central Evaluation
7. Ex Member, Press Liaison Committee
8. Coordinator, Research Workshop. MJPRU
9. Former Coordinator, MBBS Colleges
10. Former Coordinator, BDS Colleges
11. Former Coordinator, M.Sc. Entrance Examination,
12. Coordinator, Review Xth Five Year Plan, UGC
13. Coordinator, XIth Five Year Plan, UGC
14. Ex Officiating Finance Officer, MJPRU, Bareilly
15. Convenor / Member of various academic & administrative committees

Professional Societies Memberships

1. The Indian Society for Parasitology (Executive Member)
2. Indian Academy of Environmental Sciences (Executive Member)
3. Zoological Society of India (Executive Member)
4. Indian Society of Fisheries Professionals (Life Member)
5. Society of Biosciences (Life Member)
6. International Society of Applied Biology (Life Member)
7. Indian Science Congress Association (Life Member)
8. Biospectra

Projects (Major Grants / Collaborations)

1. **Principal Investigator, UGC Project**, “Histopathology of vital organs of freshwater fishes parasitized by Myxosporidia.” **1988.**
2. **Principal Investigator, DST Project**, “Immune response to piscine trypanosomiasis: Kinetics and development of suitable vaccines.” **1990.**
3. **Principal Investigator, UGC Research Project**, “Hazards of effluents and microbial infection on the ecology of aquafauna (planktons and fishes of river Ramganga” **1993.**
4. **Principal Investigator, AICTE Project (R & DP)**, “Lymphocyte culture and generation of immunological memory against parasitic invasion.” **1994.**
5. **Principal Investigator, Ministry of Environment & Forests**, “Monitoring of hydrobiological parameters in polluted waters and their impact on the haematology, haematopathogenesis and growth index of catfishes” **2001.**
6. **Principal Investigator, UGC Project**, “Environmental Diversity and haematozoan dynamics in catfishes of Sub-Himalayan region”. **2003.**
7. **Co-Principal Investigator**, UP Council of Agricultural Research, “Monitoring of industrial effluents and their impact on the health, blood indices, growth index, productivity and food value of edible fishes of river Ramganga and its tributaries” **2009.**
8. **Principal Investigator, UGC Project**, “Anthropogenic changes in aquatic ecosystem and related haemato-biochemical anomalies in fish fauna of the sub-himalayan region” **(2009- 2012)**

Other Details

Foreign visits: Countries like USA, Japan, Singapore. China, Poland, Germany, Hong Kong, Thailand, France, UK. have been visited in various programs and conferences

Foreign collaborations: The laboratory has foreign collaborations in research with Institute of Ichthyobiology & Aquaculture, Chybie and Institute of Parasitology, Warsaw from Poland; National Research Centre, Cairo and South Valley University, Qena from Egypt and Institute of Parasitology, Czech Republic. Collaborative research on blood and helminth parasites of fishes, zoonotic diseases and cestode parasites is being done with these laboratories.

Editorial Board:

Member, Editorial Board of the following journals:

1. Joint Editor, Journal of Current Sciences
2. Joint Editor, Proceedings of the Zoological Society of India.
3. Advisory Board, Himalayan Journal of Environment & Zoology
4. Advisory Board, National Journal of Life Science
5. Advisory Board, Asian Journal of Experimental Sciences
6. Editorial Advisory Board, Journal of Haematology & Ecotoxicology
7. Editorial Board, Journal of Parasitic Diseases
8. Advisory Editor, Biospectra

Peer Reviewer of Journals:

Peer Reviewer of the following journals

1. Journal of the Arab Society for Medical Research, Egypt

2. Egyptian Journal of Medical Sciences
3. Advances in Biosciences
4. Journal of Applied Animal Research
4. Himalayan Journal of Environment & Zoology
5. Journal of Parasitic Diseases
6. Punjab Research Journal
7. Journal of Biosciences

Conferences chaired/attended/delivered keynote/plenary/lead/invited lectures:

International: 14

National: 72

Ph.D. thesis evaluated: 47 Ph.D. theses of different universities (Magadh University, Bodh Gaya, Ch.Charan Singh University, Meerut, Aligarh Muslim University, Aligarh, Bundelkhand University, Jhansi, Punjab University, Chandigarh, T.M Bhagalpur University, Bhagalpur B.R.A Bihar University, Muzaffarpur, TM Bhagalpur University, Bhagalpur, University of Rajasthan, Jaipur Guwahati University, Guwahati, University of Lucknow, Lucknow, University of Kashmir, Srinagar, Kashmir, University of Allahabad, Allahabad, HNB Garhwal University, Srinagar, Garhwal, Shivaji University Gorakhpur, Gorakhpur University, Gorakhpur , University of Agriculture & Technology, Pantnagar etc.) have been evaluated.

Ph.D.'s under the supervision 14 students have completed their Ph.D. and 3 are working scholars.