

CURRICULUM VITAE



(A). Personal Information

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Date of Birth : 02 January 1964
Nationality : Indian
Present Position : Professor
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Academic Qualifications: M.Phil., Ph.D. in Zoology

(B). Professional Information

Research Paper Published in Peer Reviewed Journals

1. Saima Amjad, A. Jafri, A.K. Sharma and **M. Serajuddin**. (2019). A novel strategy of nanotized herbal drugs and their delivery in the treatment of diabetes: Present status and future prospects. *Journal of Herbal Medicine* . (Accepted). (IF: 1.685)
2. Bano, F., Kashyap, A. and **Serajuddin, M.** (2019). Effects of different Dietary Supplementation of Plant Carotenoids on Growth, Coloration and Behaviour of Giant Gourami, *Trichogaster fasciata* (Bloch and Schneider, 1801). *Iranian Journal of Fisheries Sciences* (Accepted) (IF:0.614)
3. Priyanka Agarwal, Farheen Jameel, Daisy Rani and M. Serajuddin (2019). Deficiency of protein, fat and vitamins in freshwater catfish, *Clarias batrachus*: morphological symptoms and impact on growth performance *Borneo Journal of Marine Science and Aquaculture* Volume: 03 (Accepted)
4. F. Jameel, J. Agarwal, M. Waseem and **M. Serajuddin**. (2019). Epidermal Mucus Extracts of three Freshwater Air Breathing Fish Species against Gram Positive and Gram Negative Human Pathogenic Bacteria. *Indian Journal of Fisheries* 66(1): 119-123. (I.F. 0.275)
5. F. Jameel, P. Agarwal, M. Arshad and **M. Serajuddin**. (2019). Omega-3 polyunsaturated fatty acids of fish and their role in cancerous cell lines: A review on in-vitro studies. *Archives of Polish Fisheries* 27: 47 – 63. (I.F. 0.45)
6. Farah Bano and **M. Serajuddin**. (2018). Checklist of Fishes of the Bakhira Tal and their Conservation Status. *Indian Journal of Fisheries* 65(2): 124-128. (I.F. 0.275)
7. Saima Amjad, A.K. Sharma, **M. Serajuddin**. (2018). Toxicity Assessment of Cypermethrin Nanoparticles in *Channa punctatus*: Behavioural Response, Micronuclei Induction and Enzyme Alteration. *Regulatory Toxicology and Pharmacology* 100: 127–133. (IF=2.9, Elsevier)
8. Farah Bano and **M. Serajuddin**. (2018). Photoperiodic Modulation on Growth and Behaviour of the Giant Gourami, *Trichogaster fasciata* (Bloch and Schneider, 1801) *Turkish Journal of Fisheries and Aquatic Sciences*.18: 91-100 DOI: 10.4194/1303-2712-v18_1_10 (IF: 0.5)

9. Shabnam Khana , Sakil Ahmeda, **M. Serajuddin** and M. K. Saifullah. (2018). Variation in Seasonal Prevalence and Intensity of Progenetic Metacercariae of *Clinostomum complanatum* infection in *Trichogaster fasciatus* fish. **Beni-Suef University Journal of Basic and Applied Sciences**: 310-316. (Elsevier(DOI:<https://doi.org/10.1016/j.bjbas.2018.03.006>))
10. Farah Bano, Pragma Gupta, Priyanka Agarwal and **M. Serajuddin** (2018). Black/White Preference and Novel Tank Test to Evaluate Anxiety in Adult Goldfish, *Carassius auratus*. **Trends in Biosciences** 11(14): 2493-2498
11. P. Gupta, V. Rawat and M. Serajuddin. (2018). Fish Oil Induces Apoptosis In Osteosarcoma Cells Through Ros Generation And Increase Of Caspase 3 And 7 Activity. **Indian J. Sci. Res.** 18(2): 38-44.
12. M. Awasthi, Farah Bano, Pragma Gupta and **M. Serajuddin** (2017). Effects of Photoperiods on the Growth Performance of Juvenile *Trichogaster lalius* (Hamilton, 1822), **International Letters of Natural Sciences**: 65:16-21
13. M. Waseem, M. K. Ahmad, V. K. Srivatava, N. Rastogi, **M. Serajuddin**, S. Kumar, D. P. Mishra, S. N. Sankhwar, A. A. Mahdi . (2017). Evaluation of miR-711 as Novel Biomarker in Prostate Cancer Progression **Asian Pacific Journal of Cancer Prevention**: 18 (8): 2185-2191. (DOI:10.22034/APJCP.2017.18.8.2185)
14. Verma, Jyoti and **M. Serajuddin**. (2017). Intraspecific and Intergeneric Phylogenetic Relationships in Endangered Catfish (*Clupisoma garua* and *Eutropiichthys vacha*) of family Schilbeidae. **Journal of Entomology and Zoology Studies** 5(1): 198-202.
15. Madhu Awasthi, Ankur Kashyap and **M. Serajuddin** (2017). Molecular Phylogeny of Four Gouramis Based on Divergent Domain D11 of 28S Rrna Gene. **Advances in Biological Research** 10 (6): 351-353, 2016
16. Minakshi Singh and M. Serajuddin. (2017) Length-Weight, length- length relationships and condition factor of channa punctatus collected from three different rivers of India. **Journal of Entomology and Zoology Studies** 5(1):191-197.
17. Farah Bano and **Serajuddin**, (20016). Comparative Study of Larvicidal Efficacy of four Indigenous Fish with an Exotic Top Water Minnow, *Gambusia affinis*. **J.Ecophysiol.Occup.Hlth.** 16(1 & 2), 2016, 7–12
18. Farah Bano and **M. Serajuddin**. (2016). Biodiversity, Threat Status and Conservation Priority of Ichthyo-fauna of River Gomti at Lucknow Region, India. **Biodiversity Journal** 7(4):913-922. (Italy)
19. A . Kashyap,. M. Awasthi, , M. Singh and **M. Serajuddin**. (2016). Genetic Diversity of Freshwater Murrel, Channa Punctatus (Bloch, 1793). **Inland Fisheries Society of India**: 48 (2): 1-7.
20. Jyoti Verma, and **M. Serajuddin**. (2016).Study of phylogeny based on truss analysis and molecular characterization in freshwater catfish, *Eutropiichthys vacha*. **Journal of Entomology and Zoology Studies** 5(4): 940-944.
21. M. Waseem; Syed Rizwan Hussain; Shashank Kumar; **M. Serajuddin**, Farzana Mahdi; Satyendra Kumar Sonkar1; Cherry Bansal and Mohammad Kaleem Ahmad (2016).Association of *MTHFR* (C677T) Gene Polymorphism wth Breast Cancer in North India. **Biomarkers in Cancer** 8: 111-117. (Libertas Academica)
22. A. Kashyap, M. Awasthi, and **M. Serajuddin** (2016). Reproductive biology of the freshwater murrel *Channa punctatus* (Bloch, 1793) from River Gomti of Lucknow region, Uttar Pradesh, India. **Indian Journal of Fisheries** 63(3): 126-13 (IF: 0.2, ICAR, India)
23. Faridi, Aysha Aziz; Moshahid, M A Rizvi and M. Serajuddin, (2016) .Food and Feeding Habits of Peacock eel, *Macrognathus aculeatus* (Bloch, 1786) from Eastern Uttar

Pradesh, India. *International Journal of Fisheries and Aquatic Studies* 3(2): 166-173.

(IF: 5.62, ICV, Poland)

24. A . Kashyap, M. Awasthi, and M. Serajuddin, (2016). Phenotypic Variation in Freshwater Murrel, *Channa punctatus* (Bloch, 1793) from Northern and Eastern Regions of India using Truss Analysis. *International Journal of Zoology*: 2016: 1-6. (ID:2605404)
(Hindawi Publication)
25. Awasthi, Madhu; Kashyap, Ankur and Serajuddin, M. (2015). Length-Weight Relationship and Condition Factor of Five Sub-Populations of *Trichogaster lalius* (Osphronemidae) of Central and Eastern Regions of India. *Journal of Ichthyology*: 55 (6): 849-853. (Springer)
26. Kashyap, A; Pathak, B.C.; Awasthi, M. and Serajuddin, M . (2015). Effect of Photoperiods on the Growth and Survival of Juvenile of Indian Major Carp, *Catla catla*. *Iranian Journal of Fisheries Science* 14(4) 982-991 IF:0.614 (Iran)
27. Kashyap, A.; Awasthi and Serajuddin, M . (2015). Intraspecific Diversity of Freshwater Murrel, *Channa punctatus*. *International Journal of Fisheries and Aquatic Studies* 3(2): 166-173. (IF: 5.62, ICV, Poland)
28. Kashyap, A.; Awasthi, M., Arshad, M. and Serajuddin, M . (2015). Length-Weight, Length-Length Relationship and Condition Factor of of Freshwater Murrel, *Channa punctatus* From Northern and Eastern Regions of India. *World Journal of Fish and Marine Sciences* 7 (3): 164-170. (IDOSI Pub.)
29. Pathak B. C. and Serajuddin, M. (2015). A Comparative Study of Length-Weight Relationship and Condition Factor of Lesser Spiny Eel, *Macroglyptothorax aculeatus* (Bloch) from the Different River Basins of India *World Journal of Fish and Marine Sciences* 7 (2): 82-86. (IDOSI Pub.)
30. Ali, Daud; Ali, H.; Alarifi, S.; Kumar, S.; Serajuddin, M.; Mashih, A.P.; Ahmad, M.; Khan, M.; Adil, S.F.; Shaik, M.R.; Ansari, A.A. (2015). Impairment of DNA in a Freshwater Gastropod (*Lymnaea luteola*) after Exposure to Titanium Dioxide Nanoparticles. *Archives of Environmental Contamination & Toxicology*: DOI: 10.1007/s00244-015-0132-0. (IF:2.04)
31. Qulsoom Naz, M. Serajuddin, N. S. Verma, A. Ali Mehdi, M. L. Patel and Baby Anjum. (2015). Dyslipidemia and electrolyte metabolism in essential hypertensive North India *International Journal of Research in Medical Sciences*: 3(6):1309-1312
32. Qulsoom Naz, N. S. Verma, M. Serajuddin, A. Ali Mehdi, M.L Patel, B. Anjum. (2015). Study of Alpha Adducin Gene Polymorphism in Young Essential Hypertensive North Indians. *Journal of Cardio-Vascular Disease and Research*: 6(3): 124-130
33. Verma, Jyoti ; Kashyap , Ankur; Serajuddin, M. (2014). Phylogeny based on Truss Analysis in five populations of Freshwater Catfish: *Clupisoma garua*. *International Journal of Science and Research* 3(8):1414-1418. (IF:0.4)
34. Kashyap, A; Awasthi, M. and Serajuddin, M . (2014). Geographic Morphometric Variations of Freshwater Murrel, *Channa punctatus* from Northern and Eastern Parts of India. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*: DOI 10.1007/s40011-014-0451-3 IF: 0.396 (Springer, India)
35. Kashyap, A.; Awasthi, M. and Serajuddin, M . (2014). Length-Weight and Length-Length Relationship of Freshwater Murrel, *Channa punctatus* (Bloch, 1793) Sampled

- From River Gomti in Lucknow Region (Uttar Pradesh). *World Journal of Fish and Marine Sciences* 6 (4): 336-339. (IDOSI Pub.)
36. Awasthi, M; Kashyap, A; **Serajuddin, M.** (2014). Effect of Plant Meal as a Carotenoid Source on the Development of Pigmentation in Dwarf Gourami, *Colisa lalia* (Hamilton, 1822). *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*: 84(4):1031–1034 IF:0.396 (Springer, India)
 37. Pathak, B. C.; Zahid, M.; **Serajuddin, M.** (2014). Intraspecific Diversity in Barred Spiny Eel, *Macrognathus pancalus* (Hamilton, 1822) in different Rivers Basins of India using Traditional Approaches. *Research Journal of Biology*. Accepted I.F.: 0.400
 38. Manjula, Gupta; **M. Serajuddin** and A. K. Mishra (2014). Environmental Conservation through Plants Oil. *Indian J. Sci. Res.:* 4 (1):196-200.
 39. Pathak, B. C.; Zahid, M.; **Serajuddin, M.** (2013). Length-Weight, Length-Length Relationship of the Spiny Eel, *Macrognathus pancalus* (Hamilton 1822) sampled from Ganges and Brahmaputra riverbasins, India. *Iranian Journal of Fisheries Sciences* 12(1) 170- 182. IF:0.614 (Iran)
 40. Kashyap, Ankur; Manjula, Gupta; **Serajuddin, M.** (2013). Predatory Insects of various Fish ponds Detrimental to Polyculture: A Survey. *Research Journal of Life Sciences* 01(02): 21-24. (U.K.)
 41. Manjula, Gupta; Kashyap, Ankur; Mishra, A.K. and **Serajuddin, M.** (2013). Studies on Insecticidal Efficacy of some Plant Product for the Control of Predatory Aquatic Insects. *Research Journal of Life Sciences* 01(01):1-5. (U.K.)
 42. Pathak, B.C.; Mir, J.I. and **Serajuddin, M.** (2013). Morphometric Variation among Barred Spiny Eel, *Macrognathus pancalus* (Hamilton 1822), Populations from the Ganges and Brahmaputra River Basin, India by Using Geomorphometrics . *Research Journal of Biology* 03 (1): 15-20. (U.K.)
 43. **Serajuddin, M.;** Lalta, Prasad and Bipin, C. Pathak.. (2013). Comparative Study of Length-Weight Relationship of Freshwater Murrel, *Channa punctatus* (Bloch, 1793) from Lotic and Lentic Environments *World Journal of Fisheries and Marine Sciences*: 5 (2): 233-238 (IDOSI Pub.)
 44. **Serajuddin, M.** and Bipin C. Pathak.. (2012). Study of Reproductive Traits of Spiny Eel, *Mastacembelus armatus* (Mastacembeliforms) from Kalinadi, a tributary of the Ganges River Basin, India. *Research Journal of Biology* 2(5):145-150. IF: 0.4 (India)
 45. Verma, Jyoti and **Serajuddin, M.** (2012). Phylogenetic relationship between four species using divergent domain D8 in family: siluridae. *International Journal of Life Sciences and Pharma Research*. 2 (3): 240-244. IF: 0.674 (U.S.A)
 46. Pathak, B.C.; R.Ali and **Serajuddin, M.** (2012). Comparative analysis of reproductive traits in barred spiny eel, *Macrognathus pancalus* (Hamilton, 1822) from lotic and lentic ecosystems of Gangetic basin, India. *World Journal of Fisheries and Marine Sciences* 4 (5): 470-479. (IDOSI Pub.)
 47. Pathak, B.C. and **Serajuddin, M.** (2012). Genetic Diversity in barred spiny eel, *Macrognathus pancalus* (Hamilton, 1822) from two Rivers, Gomti and Ghagra of Gangetic basin, India. *International Journal of Genetics* 2(1): 01-05. (IDOSI Pub.)
 48. Verma, Jyoti; W. S. Lakra; B, Kushwaha; **Serajuddin, M.;** N. S. Nagpure and Ravindra ,Kumar. (2011). Characterization of two freshwater Silurid catfish using conventional and molecular cytogenetic techniques. *Journal of Genetics* 90 (.2):319-322. IF: 1.013

49. Jyoti, Verma; W. S. Lakra; B, Kushwaha; **Serajuddin M.** ; N. S. Nagpure and Ravindra Kumar. (2011). Phylogenetic relationship between four species using divergent domain d9 and d11 in family: Siluridae (pisces). *International Journal of Innovations in Biological and Chemical Sciences* 1: 12-15 **IF: 0.5, ICV: 5.99. (White Pub.)**
50. Jyoti, Verma; W. S. Lakra; B, Kushwaha; **Serajuddin, M.**; N. S. Nagpure and Ravindra Kumar. (2011). Sequence Analysis of Divergent Domain 28S Gene in four Species from Family: Siluridae (Pisces). *Research Journal of Biotechnology* 6 (2): 66-69. **(IF: 0.294 (India))**
51. Lalta Prasad; Arvind, K Dwedi; Dubey, Vineet Kumar and **Serajuddin, M.** (2011). Reproductive biology of freshwater murrel, *Channa punctatus* (Bloch, 1793) from river Varuna (a tributary of Ganga River) in India, *Journal of Ecophysiology and Occupational Health* 11:69-80. **(India)**
52. Arif, Mohammad; **Serajuddin, M.** and A.R.Siddique (2010). Studies on spawning frequency and reproduction in *Mystus seenghala* (Sykes) of river Gomti at Jaunpur. *Jour.PAS (Zoological Sciences)* 16: 30-39. **(India)**
53. Arif, Mohammad, **Serajuddin, M.** and A.R.Siddique (2010). Morphological study of *Mystus seenghala* (Sykes) of river Gomti at Jaunpur. *Jour.PAS (Zoological Sciences)* 16: 27-29. **(India)**
54. **Serajuddin, M.** and Rustam Ali (2005). Food and Feeding Habits of Striped Spiny Eel, *Macrogathus pancalus*. *Indian Journal of Fisheries* 52:81-86. **IF: 0.2 (India)**
55. **Serajuddin, M.** (2004). Intraspecific Diversity of Riverine Population of Spiny Eel, *Mastacembelus armatus*. *Applied Fisheries & Aquaculture IV*: 25-29 **(India)**
56. **Serajuddin, M.** (2004).Length-weight Relationship of Freshwater Spiny Eel, *Mastacembelus armatus* (Lacepede) from Aligarh, Eastern Uttar Pradesh, India. *Proceeding of National Academy of Sciences, India*, 75B: 13-18. **(Springer, India)**
57. **Serajuddin, M.** Rustam, Ali and A.A. Faridi. (2004). Freshwater Fish Diversity of Sant Ravidas Nagar- Bhadohi District of Eastern Uttar Pradesh,India. *Journal of Nature Conservators*: 16: 365-374. **(India)**
58. **Serajuddin, M.** (2000). Food selection by young Catla catla and *Hypophthalmichthys molitrix* in a Tropical Fish Pond. *Journal of Aquaculture in Tropics* 15:313-321 **Oxford PM.)**
59. **Serajuddin, M.**; Khan, A.A. and S. Mutafa.(1998).Food and feeding habits of the spiny eel, *Mastacembelus armatus*. *Asian Fish. Sci.* 11:270-278. **(Philippines)**
60. **Serajuddin, M.** and S. Mustafa. (1994).Feeding specialization in adult spiny eel, *Mastacembelus armatus*. *Asian Fish. Sci.* 7:63-65. **(Philippines)**
61. **Serajuddin, M.** and S. Mustafa. (1992).Induced spawning of Cat Fishes, *Clarias batrachus* and *Heteropneustes fossilis*. *J. Ecobiol.* 4:319-320.

Chapter in Book:

62. Saima Amjad, A.K. Sharma and M. Serajuddin. (2019). Nanotechnological Strategies in Cancer Therapy: Innovation and Future Prospective. In Serajuddin et.al. (eds.). *Xenobiotics, Environment and Functional Biology*: Amiga Press Inc. Delhi, pp 86-95. **(ISBN: 978-93-84533-51-9)**
63. Priyanka Agarwal, Farheen Jameel and M. Serajuddin. . (2019). Long Chain Unsaturated Fatty Acids as Potential Antimicrobial Agents. In Serajuddin et.al. (eds.). *Xenobiotics,*

- Environment and Functional Biology: Amiga Press Inc. Delhi, pp 103-110. (ISBN: 978-93-84533-51-9)
64. Farheen Jameel, Priyanka Agarwal and M. Serajuddin. (2019). Role of Fish Skin Mucus in Natural Resistance of Fish against Pathogens. In Serajuddin et.al. (eds.). Xenobiotics, Environment and Functional Biology: Amiga Press Inc. Delhi, pp 111-115. (ISBN: 978-93-84533-51-9)
 65. Farha Bano, Tarique mehmood and M. Serajuddin. (2019). Stock Deliniation in Fish using Otolith Shape and Chemistry. In Serajuddin et.al. (eds.). Xenobiotics, Environment and Functional Biology: Amiga Press Inc. Delhi, pp 150-155. (ISBN: 978-93-84533-51-9)
 66. Garish Kumar, Priyanka Agarwal and M. Serajuddin. (2019). DNA Barcoding of Fish: An Overview. In Serajuddin et.al. (eds.). Xenobiotics, Environment and Functional Biology: Amiga Press Inc. Delhi, pp 162-168. (ISBN: 978-93-84533-51-9)
 67. A. A. Faridi, M. Serajuddin, M. M. A. Rizvi and R. Ali. (2019). Habitat, Distribution and Feeding Specialization of two Species of Spiny Eels, *Macrogathus aculeatus* (Bloch) and *Macrogathus pancalus* (Ham). In Serajuddin et.al. (eds.). Xenobiotics, Environment and Functional Biology: Amiga Press Inc. Delhi, pp 172-176. (ISBN: 978-93-84533-51-9)
 68. Serajuddin, M. and Farah Bano. (2018). Marine Stock Enhancement in India: Current Status and Future Prospects. IntechOpen d.o.o. Rjeca, Croatia-EU.: pp. 175-195. (<http://dx.doi.org/10.5772/intechopen.75175>)
 69. Saima Amjad, A. K. Sharma, Abbas A. Mahdi and **Serajuddin, M.** (2015). Nano-Formulation of Pesticides and Environmental Concern In Serajuddin (eds.). Biodiversity Environment and Functional Biology : Excellent Publishing House, New Delhi, pp334-340 . (ISBN: 978-93-84935-15-3)
 70. Juhi Rais, **Serajuddin, M.**, Madhu Tripathi and Md Arshad (2015). Alzheimer's Disease: A Veiled Killer. In Serajuddin (eds.). Biodiversity Environment and Functional Biology : Excellent Publishing House, New Delhi, pp328-333 . (ISBN: 978-93-84935-15-3).
 71. **Serajuddin, M.** (2014). Genetic Diversity in Stock Improvement and Fisheries Management. In Serajuddin *et.al.* (eds.). Biodiversity and Environment. Excellent Publishing House, New Delhi, pp19-26. (ISBN: 978-93-83083-57-2)
 72. M. Awasthi; A. Kashyap.; M. Gupta, and **Serajuddin, M.** (2014). Morphometry in Fish Stocks using Truss Network System. In Serajuddin *et.al.* (eds.). Biodiversity and Environment. Excellent Publishing House, New Delhi, pp207-21. (ISBN: 978-93-83083-57-2)
 73. Minakshi Singh and **Serajuddin, M.** (2014). Use of Elemental Fingerprints of Fish Otolith in Stocg Separation. In Serajuddin *et.al.* (eds.). Functional Biology and Biotechnology. Excellent Publishing House, New Delhi, pp 125-127. (ISBN: 978-93-83083-58-9)
 74. Pragya Gupta, M. Waseem, Md Arshad and **Serajuddin, M.** (2014). Study of Fatty Acids Composition of total Lipids of Fish and their Activity on Cancer Cell Lines. In Serajuddin *et.al.* (eds.). Nutrition and Health. Excellent Publishing House, New Delhi, pp 37-40. (ISBN: 978-93-83083-59-6)
 75. Qulsum Naz, **Serajuddin, M.**, N.S. Verma, A. Ali Mehdi, M.L. Patel and M. Arshad. (2014). Genetic and Enviornmental Factors Play an important Role in Essential

- Hypertention. In Serajuddin *et.al.* (eds.).Nutrition and Health. Excellent Publishing House, New Delhi, pp 41-49. (ISBN: 978-93-83083-59-6)
76. Kashyap A, Awasthi M, **Serajuddin, M.** (2013) Length-Weight relationship of freshwater Murrel, *Channa Punctatus* (Bloch, 1793) sampled from Northern and Eastern parts of India. In Proceedings of the 23rd Swadeshi Science Congress Mahatma Gandhi University, Kerala, 6-8 November 2013. pp. 642-645. . (ISBN: 978-81-928129-1-5)
77. **Serajuddin, M.** (2013) Genetic Diversity in Sustainable Fisheries Management. In Proceedings of the 23rd Swadeshi Science Congress, Mahatma Gandhi University, Kerala, 6-8 November, 2013. pp. 734-737. (ISBN: 978-81-928129-1-5)
78. M. Arshad, Shabazada, M. Gupta, V. Rawat, N. Shivnath and **Serajuddin. M. (2013).** Assesment of Osteogenic Effects of Promising Compound in Animal Model using Biochemical Markers of Bone Remodelling. In Proceedings of the 23rd Swadeshi Science Congress, Mahatma Gandhi University, Kerala, 6-8 November, 2013. pp 738-741. (ISBN: 978-81-928129-1-5)
79. **M. Serajuddin** (2008). Genetic Diversity and Fisheries Management. In B.N.Pandey *et.al.* (eds.). Fish and Fisheries Management. Saurup Book Publication Pvt. Ltd., New Delhi, pp.:224-237. . (ISBN: 978-81-928129-1-5)
80. **Serajuddin, M.** (2004). Genetic Diversity and Bioengineering for the Improvement of Fish Stock and Production. Proceeding of Zoology and Human Welfare: 289-293.

Book Compiled and Edited

1. ***Gangetic Catfish, Clupisoma garua : Fishery and Biolog.*** (2019). Lambert Academy, Germany. (ISBN: 978-613-9-44557-8).
2. ***Xenobiotics, Environment and Functional Biology.*** (2019). Amiga Press Inc., Delhi, pp 231. (ISBN: 978-93-81533-51-9).
3. ***Biodiversity, Environment and Functional Biology*** (2015): Excellent Publishing House, New Delhi, pp 350.(ISBN: 978-93-84935-15-3)
4. ***Biodiversity and Environment*** (2014): Excellent Publishing House, New Delhi, pp230.(ISBN: 978-93-83083-57-2)
5. ***Functional Biology and Biotechnology:*** (2014): Excellent Publishing House, New Delhi, pp 230. .(ISBN: 978-93-83083-58-9)
6. ***Nutrition and Health:*** (2014): Excellent Publishing House, New Delhi, pp 230. .(ISBN: 978-93-83083-59-6)
7. ***Laboratory manual on Recent Techniques in Molecular and Cell Biology*** (2012) under Indian Society of Cell Biology, B.H.U., Varanasi, pp 65.
8. Training Hand Book on Conducting Research in Biodiversity and Wildlife(2016) under DST-Purse, Department of Zoology, Lucknow University

Major Research Project handled as a Principal Investigator

S.No	Years		Total Amounts (Rs.)	Funding Agency	Sanction Number
	Started	Completed			
01	21.12.2002	20.12.2005	7,24,624/-	ICAR, New Delhi	4-13/2001-ASR-I
02	25.03.2009	24.03.2012	38,46,340/-	DST, New Delhi	SR/SO/AS-21/2008

03	01.02.2010	31.01.2013	10,43,400/-	UGC, New Delhi	37-437/2009 (SR)
04	28.05.2015	27.05.2018	09,00,000/-	UPCST, Lucknow	CST/375

Major Research Project handled as a Mentor

S.No	Years		Total Amounts (Rs.)	Funding Agency	Sanction Number
	Started	Completed			
01	03.07.2013	02.07.2016	25,00,000/-	DST Fast Track, New Delhi to Dr. Jyoti Verma	SERB/F/2058/2013 -2014, Dated 3.7.13

Details of Research Guidance:

S.No.	Name of Research Student	Year/Enrolment No	Title of the Thesis	Status
01	Rustam Ali	2002	Intraspecific Diversity and Biology of the Spiny Eel, <i>Macrognathus pancalus</i>	Awarded
02	Archana Singh	2002	The Study of Fishery and Biology of Gangetic Fish, <i>Clupisoma grua</i> (Ham) from the Plain of Eastern Uttar Pradesh	Awarded
03	Brijesh Kumar Choubey	2002	Environmental Impact on the Morpho-Biology of the Anchovy, <i>Setipinna phasa</i>	Awarded
04	Aysha Aziz Faridi	2002	Morphometric, Meristic and Biological Studies of Riverine Population of <i>Macrognathus pancalus</i>	Awarded
05	Lalta Prasad	2007 PU91/57391	Biogenetic Evaluation and Growth Performance of Murrel, <i>Channa punctatus</i>	Awarded
06	Ashraf Abbass	2008 PU04/172	Morphometric, Meristic and Biological Studies of Freshwater Catfish, <i>Eutropiichthys vacha</i>	Awarded
07	Md. Arif	2008 PU95/249	Environmental Biology of <i>Mystus seenghala</i> (Sykes) of River Gomti at Jaunpur	Awarded
08	Jyoti Verma	2011	Cytogenetic and Molecular Characterization of some Selected Freshwater Catfishes from Family Siluridae, Pisces"	Awarded
09	Bipin Chandra Pathak	2012	Temporal Physiology of Reproduction and Intraspecific Diversity in Freshwater Spiny Eel	Awarded
10	Madhu Awasthi	2011 LS/211/13	Genetic Polymorphism, Phylogenetic Relationship and some aspects of Biology of Gourami	Awarded
11	Ankur Kashyap	2010 LS/058/14	Intraspecific Diversity and Reproductive Biology of Freshwater Murrel, <i>Channa punctatus</i>	Awarded
12	Qulsum Naz	2010 LS/02/0413 3	Study of Alpha Adducin Gene Polymorphism in Essential Hypertensive North Indians	Awarded
13	Minakshi Singh	2011 LE/05/1781	Intraspecific Variations in Murrel: Traditional, Physiological and Molecular	Awarded

			Study	
14	Md. Waseem	2012 LS/189/13	Differential Expression of Micro RNA in BPH and Prostate Cancer and its possible Role as a Predictive and Prognostic Biomarker of Therapy Outcome	Awarded
15	Pragya Gupta	2012 LUSC/9059/ 2009	Study of PUFA and their Activity in Cancer Cell Lines: Proliferation and Apoptosis.	Awarded

Awards and Scholarships

1. **Life Time Achievement Award-2018.** Venus International Foundation, Chennai
2. **Shishak Shree Award-2017,** U.P. Higher Education, Govt of U.P.
3. **Adarsh Vidya Saraswati Rashtriya Puraskar-2017.** Global Management Council , Ahmedabad, Gujrat
4. **Indo Global Excellence Award for Zoology-2017** International Benevolent Research Foundation and Confederation of Indian Universities, New Delhi: 25th June 2017 at Hotel Kohinoor Continental, Andheri- Kurla Road, Mumbai- 400059.
5. **Distinguished Faculty Award-2016,** Venus International Foundation, Chennai
6. **AIEB Fellow Award-2016,** Lucknow, U.P.
7. **Prof. Harswarup Gold Medal Award-2015,** ZSI, Bodh Gaya
8. **ZSI Fellow Award-2014,** Zoological Society of India,.
9. **P.G. Merit Scholarship** during 1987-88: A.M.U., Aligarh\
10. Senior Research Fellow during Jan.2002-Dec.2003: ICAR, New Delhi
11. Senior Research Fellow during Jan.2004-Dec.2005: ICAR, New Delhi
12. Secured IInd Prize in Essay Competition: Zoological Society, A.M.U., Aligarh

Member of Editorial Board/Reviewer

- Member: Glaciari Journal Research Foundation, Ahmedabad, Gujrat
- Member: Scientific and Editorial Review Board on Medical and Biological Sciences
- Member of Editorial Board: Journal of Entomology and Zoology Studies
- Reviewer: *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences* (Springer).

Membership or Fellowship of Professional/Academic Bodies

1. Life Member: Indian Science Congress, Kolkata
2. Life Member: Zoological Society of India, Bodh Gaya
3. Life Member: Aquatic Biodiversity Board, NBFGR, Lucknow.
4. Life Member: Zoological Society, Kolkata.
5. Life Member: Indian Society for Lead Awareness & Research, KGMU, Lucknow
6. Life Member: The Academy of Environmental Biology, India, Lucknow
7. Member: International Association of Academicians and Researchers

International/National Seminar/Conference/Workshop/ Refresher Course

Invited Talk Delivered/ Chaired Session in Conference/Workshop

National Conferences:

1. Latest Trends in Biotechnology for the Benefits of Uttar Pradesh on March 12th , 2019 at U.P.C.S.T, Lucknow (Participation)
2. International Conference on Advances in Zoological Research and Workshop on real Time PCR on March 9-10, 2019, Department of Zoology, A.M.U., Aligarh. (Invited Talk and Chair the Session)
3. Recent Trends on Biomedical Researches on 2-3 February, 2019: Advances and Challenges, Central Zone IABSCON-2019, Indian Academy of Biomedical Sciences, Department of Biochemistry, KGMU, Lucknow. (Invited Talk and Chair the Session)
4. National Seminar on Eco-centric Thought and Action: A Need for Human Existence: 24-25 February, 2018, Dr. S.P.M.Govt. Degree College, Bhadohi.
5. Workshop on Cognitive Skill Development. K.N. Govt. P.G.College, Gyanpur, SRN-Bhadohi.20th Dec., 2018. Invited Speaker
6. National Conference on **Bio-Degradation of Wildlife, Environment and Biodiversity**; 19-20 March,2017 under Department of Higher Education, Govt. of U.P., Gandhi Faiz-e-Aam (P.G.) College, Shahjahanpur. U.P.
7. Author Workshop Jointly Organised by Springer Nature and Lucknow University, on 26th July, 2017 at Tagore Library, Lucknow University, Lucknow.
8. 4th Seminar Cum Training Workshop on Recent Techniques in **Molecular and Cell Biology**: 23-26 Nov., 2016 at Department of Zoology, Lucknow University, Lucknow
9. National Symposium on “Impact of Emerging Toxic Chemicals on Human, Plants, Diseases and **Sustainable Development**”: 25-27 Nov., 2016, Jamia Hamdard, New Delhi.
10. National Training Programme on **Conducting Research in Biodiversity and Wildlife** 25-31 May, 2016 under DST-Purse, Department of Zoology, Lucknow University, Lucknow.
11. National Conference on **Impact of Climate Change on Biodiversity**: Application of Recent Technologies for Conservation of Threatened Species: 22-24 September, 2016, Department of Zoology, Mizoram University, Aizawl, Mizoram.
12. National Conference on “*Environmental Impact on Health and Its Management: Eco-friendly Strategies*”: 8-10 February, 2016, Departments of Zoology, Centre for Advanced Studies, University of Rajasthan, Jaipur.
13. National Conference on “*Biotechnological Developments and Societal Benefits: Present Status and Future Prospects*”: 8-9 April, 2015, Sky Institute, Lucknow.
14. National Conference on “*Waste Disposal and Its Effect on Biodiversity*”L: 15-16 November, 2014, Mohammad Ali Jauhar University, Rampur, and U.P.
15. National Seminar on “*Threats to Biodiversity and Ecosystems: Impacts of Developmental Projects and Climate Change*”: 17-19 November, 2014, Gurukula Kangri University, Haridwar.
16. National Conference on “*Impact of Environmental Xenobiotics on Human health and Biodiversity*”: 02-03 November, 2014, Shibli National P.G. College, Azamgarh, U.P.
17. National Conference on **Vistas of Environmental Awareness**; 30-31 March, 2014, K.N.Govt. P.G. College, Gyanpur, SRN-Bhadohi
18. National Seminar on **Environmental Degradation and Aquaculture**: 28 April, 2013, B.S.N.V. College, Lucknow (Invited Lect. & Chaired) (National Conference)
19. National Seminar on **Changing Environment and Biodiversity**: 24 March, 2013, Navyug Kanya Mahavidyalya, Lucknow
20. National Seminar on **Environmental Health: Challenges** and Management: 20-22 January,2012, Govt. P.G. College, Rajajipuram, Lucknow.
21. UGC sponsored National Seminar on **Water Contamination and Its Impact** on Human Beings: 25-26 September, 2012, J.P. University, Chapra, Bihar

22. 22nd All India Congress of Zoology and National Seminar on Recent Advances in Biological Sciences: **Biodiversity and Human Welfare**: 29-31 December, 2012, Department of Zoology, L.U., Lucknow
23. Aquacon-11: National Seminar on Advances in Aquatic Biology, **Biodiversity Conservation and Livelihood**: 12-13 March. -2011, Bundelkhand University, Jhansi
24. Annual Symposium under **UGC-SAP (DRS-I)** Programme: 30-31 March, 2011, Department of Zoology, L.U., Lucknow
25. National Workshop on **Prevention of Lead Poisoning**: 29 March, 2008, CSM Medical University, Lucknow.
26. National Seminar on **Zoology and Human Welfare**,: 22-24 Nov., 2004, Phaphamau, Allahabad
27. 6th APSI Seminar on **Biodiversity**: 28-30 September, 1997.

International Conference:

28. Bio-Psycho-Sociological Perspective of Trauma. Shia P. G. College, Lucknow. 13 January, **2019**. Invited Speaker
29. 103rd Indian Science Congress (**Section of Animal, Veterinary and Fisheries**): 3-7 January, 2016 at Mysore University, Mysore
30. 102nd Indian Science Congress (**Section of Animal, Veterinary and Fisheries**): 3-7 January, 2015 at Mumbai University, Mumbai
31. International Conference on Advance in Free Radical Research: Natural Product, Antioxidants and Radioprotectors: 19-21 March, 2009, Department of Biochemistry, CSM Medical University, Lucknow
32. International Conference on Biodiversity Conservation and Management.(BIOCAM-2008): 3-6 February, 2008, Cochin, Kerala

Oral Presentation in Conference/Workshop

International:

33. The Indian Science Congress: 3-7 January, 2011, Chennai
34. International Conference on Biodiversity Conservation and Management.(BIOCAM-2008): 3-6 February, 2008, Cochin, Kerala
35. Indo-US Symposium on Impact of Early Life Adversity: 29 October,2013, KGMU, Lucknow
36. Indian Science Congress: 3-7 January, 2013, Calcutta University, Kolkata
37. International Seminar on Tourism and Ecology (Himalayan Rendezvous 98): 4-6 October, 98

National :

38. BPCON-2013: 16-17 Nov., 2013, KGMU, Lucknow
39. 23rd Swadeshi Science Congress: 6-8, Nov., 2013, M. G. University, Kottayam, Kerala
40. National Symposium on Lead Awareness: 5-6 October, 2013, KGMU, Lucknow
41. National Seminar on Science for Shaping the Future of India: Faunal Diversity, Challenges and Opportunities: 19-21 November, 2012, Department of Zoology, University of Kashmir, Srinagar, Kashmi
42. National Symposium on Science and Ethics of Environmental Care and Sustainability: 11-13 October, 2002, Allahabad

Training Programmes/Workshops Attended

43. 36, Quantitative Analysis and Modelling in Animal Sciences (QAMAS): 6-11 October, 2009, IISER, Pune
44. SPSS Workshop: 18-19 July, 2009, Department of Statistics, Lucknow University, Lucknow.
45. Prelude to Bioinformatics: 14-16 June, 2004, Bioinformatics Centre, H. P. University, Shimla (H.P.).
46. Inland Fisheries Research and Development: Present Status and Future Prospects: 15 March, 2004, CIFRI, Allahabad
47. Advanced Biochemistry & DNA Technology: 3-24 May, 2000, Madurai Kamraj University, Madurai
48. Breeding and Culture of Common Carp: 3-9 January, 1998, CIFA, Bhubaneswar, Orissa
49. Management of Freshwater Fish Seed Farm: 17-31 August, 1994, CIFE, Mumbai

Orientation/Refresher Courses Attended

50. Teacher's Orientation Programme: 5-31 July, 1999, UGC Academic Staff College, A.M.U., Aligarh
51. Refresher Course on Genetics and Evolution: 10-22 September, 2001, University of Mysore, Mysore
52. Refresher Course on Current Trends in Biotechnology: 22 July-10 Aug., 2002, R. D. University, Jabalpur (M.P.)
53. Refresher Course on Recent Trends in Zoology: 22 March-10 April, 2004, H.P. University, Shimla (H.P.)

Seminar/Symposia/Workshop Organised

1. **Organizing Secretary:** *National Conference on Impact of Environmental Xenobiotics on Human Health and Biodiversity:* 30-31 March, 2018, Department of Zoology, University of Lucknow, Lucknow.
2. **Course Coordinator:** *National Training Programme on Conducting Research in Biodiversity and Wildlife:* 25-31 May, 2016, Department of Zoology, University of Lucknow, Lucknow.
3. **Convener:** *Nation Conference on "Impact of Environmental Xenobiotics on Human Health and Biodiversity":* 02-03 November, 2014, Shibli National P.G. College, Azamgarh, U.P.
4. **Organizing Secretary:** *International Conference on Faunal Biodiversity and their Conservational Strategies:* 22-23 March, 2014, University of Lucknow, Lucknow.
5. **Joint Secretary:** *National Conference on Comparative Functional Biology:* February, 2009. University of Lucknow, Lucknow
6. **Secretary:** *Seminar cum Training Workshop in Zoology-2012 on Recent techniques in Molecular and Cell Biology;* 27-29 February, 2012. University of Lucknow, Lucknow

C. Social and Administrative Information

1. **President:** Educational and Environmental Developmental Society of India
2. **President:** "KHIDMAT", A Society for Human Welfare
3. **Member:** Executive Council, Lucknow University during 2014-2015
4. **Member:** Academic Council, Lucknow University from 2015 to Continued

5. **Member:** Board of Studies, Department of Zoology, Lucknow University from 2007 to continued
6. **OSD (Science and Commerce), Back Paper/Improvement Examination-2015,** Lucknow University, Lucknow.
7. **Programme Officer,** N.S.S of 03 years, K.N. Govt. P.G. College, Gyanpur
8. **Assistant Superintendent, (Science and Commerce) Examination, Lucknow University: 2009-10,2010-11, 2012-2013.**
9. **Assistant Superintendent, (B.Ed) Examination, Lucknow University: 2013-14.**
10. **Assistant Superintendent, (M.Sc. Zoology) Examination, Lucknow University: 2009-14.**
11. **Head Examiner to conduct B.Sc III/Zoology Examination of Lucknow University since 2010**
12. **Deputy Centre Superintendent, CPMT Entrance Examination,2013, Lucknow University**
13. **Assistant Provost, A.N.D. Hostel: 2007-2010, Lucknow University, Lucknow**
14. **Educational Tour Incharge, Department of Zoology: 2009-2010; 2011-2012; 2016-17.**