

RESUME

DR. SAROJ KUMAR GHOSH

Assistant Professor (Stage-II)

Department of Zoology

[Bejoy Narayan Mahavidyalaya](#)

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West Bengal, INDIA



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PERSONAL DETAILS

Born on March 29, 1984

Indian, Hinduism

Married, Male, AB+ blood

PERMANENT ADDRESS

Village-Barwa (Mohanpur), Post Office-Barwa Mahesh

Police Station-Memari, Purba Bardhaman-713 146

West Bengal, INDIA

BRIEF PROFILE

- M. Sc. (Gold Medalist), M. Phil., Ph. D. in Zoology, D. Litt. (Honoris Causa), FICEZS, FAELS, FBSS, FLS.
- Teaching experience 11 years.
- Research experience 15 years.
- Published *fifty three* Original Research Articles in reputed journals and *three* Book Chapters.
- Research interests on histomorphology, histophysiology, histochemistry and ultrastructural studies of different organs of fish.

RESEARCH/ PROFESSIONAL EXPERIENCE

- **Histological and Histochemical Techniques:**

Fixation, embedding, polymerization, section cutting by rotary microtome, ultramicrotome and cryostat microtome.

Staining techniques for light microscopy

- **Electron Microscopy:** SEM and TEM study

- **Induced breeding technique of fish**

TEACHING EXPERIENCE

1. Serving as Assistant Professor (Stage-II) in Zoology, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712 147, West Bengal, India, since January 20, 2019 (Employee ID: G2015000448).
2. Assistant Professor (Stage-I) in Zoology, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712 147, West Bengal, India (January 20, 2015–January 19, 2019).
3. DPI approved Part-time Lecturer in Zoology, Vivekananda Mahavidyalaya, Purba Bardhaman-713 103, West Bengal, India (August 09, 2010–January 19, 2015).

4. Guest Lecturer in Zoology (U. G. and P. G.), Banwarilal Bhalotia College, Asansol, Paschim Bardhaman-713 303, West Bengal, India (December, 2012–February, 2013).
5. Guest Lecturer in Zoology, Dr. Bhupendra Nath Dutta Smriti Mahavidyalaya, Hatgobindapur, Purba Bardhaman-713 407, West Bengal, India (September, 2007).

EDUCATION AND QUALIFICATION

- 2008-2012 Department of Zoology, The University of Burdwan
Research for a **Ph. D.** degree.
Thesis entitled: “Histoarchitecture, surface ultrastructure and histochemical studies of the olfactory organ of *Labeo bata* (Hamilton), *Rita rita* (Hamilton) and *Etroplus suratensis* (Bloch): a comparative study”.
- 2007-2008 The University of Burdwan
M. Phil. in Zoology
Result: 1st Class (82.2 %)
Thesis entitled: “Histological and histochemical studies on the saccus vasculosus of *Notopterus notopterus* (Pallas), *Ompok bimaculatus* (Bloch) and *Macrognathus aculeatum* (Bloch): a comparative study”.
- 2004-2006 The University of Burdwan
M. Sc. in Zoology (Aquaculture and Fisheries Special Paper)
Result: 1st Class 1st (79.33 %)
- 2001-2004 The University of Burdwan
B.Sc. (Hons.) in Zoology
Result: 1st Division (65.25 %)
- 1999-2001 West Bengal Council of Higher Secondary Education
Higher Secondary
Result: 1st Division (67.1 %)
- 1999 West Bengal Board of Secondary Education
Madhyamik
Result: 1st Division (79.375 %)

AWARDS/ RECOGNITIONS

1. **ABRF Excellence Award for Zoological Research** during International Web Conference on Environment and Society (ICES-2020) (December 26-28, 2020).
2. **Dr. Sarvepalli Radhakrishnan Teaching Excellence Award 2020** by International Benevolent Research Foundation given at the World Peace and Value Education Convention, Vedic Village Spa Resort, Newtown, Kolkata-700 135, West Bengal (December 19, 2020).
3. **Outstanding Scientist Award** in the International Scientist Awards on Engineering, Science and Medicine organized by VDGOD Professional Association, Chennai, Tamil Nadu-600 043, India (December 19-20, 2020).

4. **Fellow Member of Bose Science Society**, Tamil Nadu Scientific Research Organisation, Pudukkottai-622 003, Tamilnadu, India since October 20, 2020 (Fellowship Number: F769/BSS/2020).
5. **Young Achiever Award 2020** by Institute of Scholars, Bengaluru-560091, Karnataka (June 29, 2020).
6. **Doctor of Letters in Literature** (Honoris Causa) by Ashcroft University, London, England, United Kingdom (June 20, 2020).
7. **Bharatiya Udyog Ratan Gold Medal Award** for by Global Economic Progress & Research Association (GEPR), Tiruvannamalai-606 601, Tamil Nadu, India (June 20, 2020).
8. **Young Scientist of the year 2019 Award** on the occasion of 6th International Conference on Environment and Ecology held at University of Allahabad, Prayagraj, Uttar Pradesh-211 002, India (February 24-26, 2020).
9. **IASR Excellence Award 2019** for outstanding contribution in the areas of Zoology given at the International Research Conference on “Recent Trends in Life Sciences” held at Sidho Kanho Birsha University, Purulia-723 104, West Bengal, India (November 28, 2019).
10. **Fellow Member of Academy for Environment and Life Sciences**, Agra-282 007, Uttar Pradesh, India since October 25, 2019 (Membership ID: FAELS-801.2019).
11. **National Citizenship Gold Medal Award** for outstanding individual achievement in education by Global Economic Progress & Research Association (GEPR), Tiruvannamalai-606 601, Tamil Nadu, India (May 01, 2018).
12. **Best Presentation Award** in 1st International Conference on “Frontiers in Biological, Environmental and Medical Sciences” organized by The University of Burdwan, Purba Bardhaman-713 104, West Bengal, India (March 08-10, 2018).
13. **Best Presentation Award** in Biological Sciences at the International “Science Seminar” organized by Indian Chemical Society and Burdwan Raj College, Purba Bardhaman-713 104, West Bengal, India (October 10, 2017).
14. **Fellow Member of the Linnean Society of London**, Burlington House, London, W1J 0BF, United Kingdom (Since May 24, 2016).
15. **Fellow Member of International Congress of Entomology and Zoology Studies**, New Delhi-110 085, India since December 18, 2013 (Membership ID: FICEZS-1965).
16. **Best Oral Presentation Award** (Health Sciences) at the 20th West Bengal State Science & Technology Congress, held at Bengal Engineering and Science University, Shibpur, Howrah-711 103, West Bengal, India (February 28 - March 2, 2013).
17. **Best Oral Presentation Award** (Animal and Fishery Sciences) at the 19th West Bengal State Science & Technology Congress, held at Saha Institute of Nuclear Physics, Kolkata-700 064, West Bengal, India (March 1-2, 2012).
18. **Gold Medal in the M.Sc. Examination**, 2006 in Zoology from The University of Burdwan, Purba Bardhaman-713 104, West Bengal, India for obtaining 1st class 1st position.

19. **Bhakti-Gouri Memorial Bronze Medal**, 2006 for obtaining the highest marks in the M. Sc. Examination of Zoology of The University of Burdwan, Purba Bardhaman-713 104, West Bengal, India
20. Secured **First position in the Intra-departmental questionnaire competition on Consumer Affairs**, jointly organized by Burdwan District Consumer Protection Council and The University of Burdwan, 2005.

MEMBERSHIP

1. International Benevolent Research Foundation, Rahara, Kolkata-700 018, West Bengal, India since January 12, 2021 (Certificate Number: LM/061/2021).
2. Society for Biotechnologists (India), Kochi-682 022, Karala, India since November 05, 2020 (Membership Number: LM-1024).
3. Bose Science Society, Tamil Nadu Scientific Research Organisation, Pudukkottai-622 003, Tamilnadu, India since October 20, 2020 (Membership Number: M769/BSS/2020).
4. Institute of Scholars, Bengaluru-560091, Karnataka (InSc20200436; Since June 29, 2020).
5. Asian Biological Research Foundation, Prayagraj, Uttar Pradesh-211 002, India (ABRF 172/2020; Since February 24, 2020).
6. International Foundation for Environment and Ecology, Rahara, Kolkata-700 018, West Bengal, India (Certificate Number: LM/130/2020; Since February 14, 2020).
7. International Academy of Science and Research, Rahara, Kolkata-700 018, West Bengal, India (Certificate Number: 061/LM/2019; Since November 11, 2019).
8. Coldwater Fisheries Society of India, Bhimtal-263 136, Nainital, Uttarakhand, India (Membership Number: CFSI/LM/132; Since July 30, 2019).
9. Global Economic Progress & Research Association (GEPRA), Tiruvannamalai-606 601, Tamil Nadu, India (April 01, 2018 to March 31, 2019).
10. North East Society for Fisheries and Aquaculture (NESFA), Agartala-799 210, Tripura, India (Registration Number: L 149/18; Since July 13, 2018).
11. The International Society for Krishna Consciousness (ISKCON), Mayapur, Nadia-741 313, West Bengal, India (MPR 13040; Since February 08, 2018).
12. Vivek Bharati, Itachuna, Hooghly-712 147, West Bengal, India (Since July 01, 2016).
13. Electron Microscope Society of India (EMSI) (Membership Number: LM-1153; Since August 18, 2015).
14. Social Environmental and Biological Association (SEBA), Kolkata-700 061, West Bengal, India (Since March 19, 2015).
15. Indian Society for the Study of Reproduction and Fertility (ISSRF), Jaipur-302 004, Rajasthan, India (Membership Number: 1317; Since December 17, 2015).
16. Society for Reproductive Biology and Comparative Endocrinology, Taramani, Chennai-600 113, India (Membership Number: LM426-2013; Since April 15, 2013).

17. The Indian Science Congress Association, Kolkata-700 017, West Bengal, India (Membership Number: L21162; Since November 09, 2012).
18. The Zoological Society, Kolkata, Kolkata-700 019, West Bengal, India (Membership Number: L/G-81; Since May 11, 2012).
19. The Zoological Association of Burdwan, Purba Bardhaman-713 104, West Bengal, India (Since January 18, 2012).
20. International Society for Infectious Diseases (ISID).

LIST OF PUBLICATIONS

Original Research Articles

1. **Ghosh, S. K.** 2021. The olfactory mucosa of butter catfish *Clupisoma garua* (Siluriformes; Ailiidae): an ultrastructural study. ***Journal of Microscopy and Ultrastructure***, 9 (2): 1-6. Online Issue. DOI: 10.4103/JMAU.JMAU_20_20.
2. **Ghosh, S. K.** 2021. The olfactory organ of schilbid catfish *Eutropiichthys vacha* (Hamilton, 1822): morphological and ultrastructural studies. ***The Journal of Basic and Applied Zoology***, 82: 4 (Pages 1-11). DOI: <https://doi.org/10.1186/s41936-020-00200-z>.
3. **Ghosh, S. K.** 2020. The morphohistology and fine anatomy of the olfactory organ in Pabda catfish, *Ompok bimaculatus* (Bloch, 1794), ***Our Nature***, 18 (1): 10-15. DOI: <https://doi.org/10.3126/on.v18i1.34237>.
4. **Ghosh, S. K.** 2020. Microscopic structure of the olfactory mucosa of onespot barb, *Puntius terio* (Cyprinidae: Smiliogastrinae). ***Iranian Journal of Ichthyology***, 7 (4): 306-313. DOI: 10.22034/iji.v7i4.514.
5. **Ghosh, S. K.** 2020. Histoanatomy and surface ultrastructure of the olfactory organ of freshwater Tank goby, *Glossogobius giuris* (Hamilton, 1822). ***Fisheries & Aquatic Life***, 28 (3): 141-148. DOI: 10.2478/aopf-2020-0017.
6. **Ghosh, S. K.** 2020. Seasonal histological changes in the olfactory epithelium of schilbid catfish, *Clupisoma garua* (Hamilton, 1822). ***Sindh University Research Journal***, 52 (3): 229-236. DOI: <http://doi.org/10.26692/sujo/2020.09.34>.
7. **Ghosh, S. K.** 2020. The olfactory organ in the Gangetic catfish, *Ailia coila* (Hamilton, 1822): structural and functional aspects. ***Journal of Fisheries***, 8 (2): 843-849.
8. **Ghosh, S. K.** and S. Das, 2020. The olfactory mucosa of river catfish, *Eutropiichthys vacha* (Hamilton, 1822): a histochemical study. ***International Journal of Aquatic Biology***, 8 (1): 50-55. DOI: <https://doi.org/10.22034/ijab.v8i1.773>.
9. **Ghosh, S. K.** 2019. Histology and surface morphology of the olfactory epithelium in freshwater teleost, *Clupisoma garua* (Hamilton, 1822). ***Fisheries & Aquatic Life***, 27 (3): 122-129. DOI: 10.2478/aopf-2019-0014.
10. **Ghosh, S. K.** 2019. Histological and ultrastructural studies on the intestine of guntea loach, *Lepidocephalichthys guntea* (Cypriniformes, Cobitidae). ***Vestnik Zoologii***, 53 (2): 165-172. DOI: 10.2478/vzoo-2019-0017.

11. **Ghosh, S. K.** 2018. Histological Characterization of the Olfactory Organ in Schilbid Catfish, *Clupisoma garua* (Hamilton, 1822). ***International Journal of Aquatic Biology***, 6 (5): 281-287. DOI: <https://doi.org/10.22034/ijab.v6i5.543>.
12. **Ghosh, S. K.** 2018. Cellular organization of the olfactory epithelium during growth, maturation, spawning and post-spawning phases of freshwater catfish, *Eutropiichthys vacha* (Hamilton, 1822) (Teleostei: Siluriformes). ***Iranian Journal of Ichthyology***, 5 (2): 126-138. DOI: 10.22034/iji.v5i2.278.
13. **Ghosh, S. K.** 2018. Anatomical and histological studies on the olfactory organ of riverine catfish, *Eutropiichthys vacha* (Hamilton, 1822). ***Asian Journal of Animal and Veterinary Advances***, 13 (3): 245-252. DOI: 10.3923/ajava.2018.245.252.
14. **Ghosh, S. K.** and P. Chakrabarti, 2016. Histomorphological and microanatomical characteristics of the olfactory organ of freshwater carp, *Cirrhinus reba* (Hamilton). ***Archives of Polish Fisheries***, 24 (4): 201-208. DOI: 10.1515/aopf-2016-0017.
15. **Ghosh, S. K.** and P. Chakrabarti, 2016. Comparative studies on histology and histochemistry of pancreas between *Labeo calbasu* (Hamilton, 1822) and *Mystus gulio* (Hamilton, 1822). ***Iranian Journal of Ichthyology***, 3 (4): 251-265. DOI: 10.7508/iji.2016.
16. **Ghosh, S. K.** and P. Chakrabarti, 2016. Histological, topographical and ultrastructural organization of different cells lining the olfactory epithelium of red piranha, *Pygocentrus nattereri* (Characiformes, Serrasalminidae). ***Vestnik Zoologii***, 50 (5): 447-456. DOI: 10.1515/vzoo-2016-0051.
17. **Ghosh, S. K.** and P. Chakrabarti, 2016. Morphological and histochemical studies on the olfactory rosette of bagrid catfish, *Rita kuturnee* (Sykes, 1839). ***Mesopotamian Journal of Marine Science***, 31 (1): 15-28.
18. **Ghosh, S. K.**, S. Barun and P. Chakrabarti, 2016. A comparative study of the histoarchitecture of endocrine pancreas in *Labeo bata* (Hamilton, 1822), *Sperata aor* (Hamilton, 1822) and *Chitala chitala* (Hamilton, 1822). ***International Journal of Aquatic Biology***, 4 (1): 17-24. DOI: <http://dx.doi.org/10.7508/ijab.2016.01.003>.
19. **Ghosh, S. K.** and P. Chakrabarti, 2015. Histological, surface ultrastructural, and histochemical study of the stomach of red piranha, *Pygocentrus nattereri* (Kner). ***Archives of Polish Fisheries***, 23 (4): 205-215. DOI: 10.1515/aopf-2015-0023.
20. **Ghosh, S. K.**, B. Pan and P. Chakrabarti, 2015. Histoarchitectural and surface ultrastructural analysis of the olfactory epithelium of *Puntius ticto* (Hamilton, 1822). ***International Journal of Aquatic Biology***, 3 (4): 236-244. DOI: 10.22034/ijab.v3i4.102.
21. **Ghosh, S. K.** and P. Chakrabarti, 2015. Histochemical characterization of the olfactory epithelium of an Indian major carp, *Catla catla* (Hamilton, 1822). ***Iranian Journal of Ichthyology***, 2 (1): 43-52.
22. **Ghosh, S. K.** and P. Chakrabarti, 2015. Histological and histochemical characterization on stomach of *Mystus cavasius* (Hamilton), *Oreochromis niloticus* (Linnaeus) and *Gudusia chapra* (Hamilton): comparative study. ***The Journal of basic & Applied Zoology***, 70 (C): 16-24. DOI: 10.1016/j.jobaz.2015.04.002.

23. Chakrabarti, P. and **S. K. Ghosh**, 2015. Comparative histological and histochemical studies on the pancreas of *Labeo rohita* (Hamilton, 1822), *Mystus vittatus* (Bloch, 1790) and *Notopterus notopterus* (Pallas, 1769). ***International Journal of Aquatic Biology***, 3 (1): 28-34. DOI: 10.22034/ijab.v3i1.44.
24. Chakrabarti, P. and **S. K. Ghosh**, 2014. A comparative study of the histology and microanatomy of the stomach in *Mystus vittatus* (Bloch), *Liza parsia* (Hamilton) and *Oreochromis mossambicus* (Peters). ***Journal of Microscopy and Ultrastructure***, 2 (4): 245-250. DOI: 10.1016/j.jmau.2014.07.003.
25. **Ghosh, S. K.** and P. Chakrabarti, 2014. Light microscopical characterization of the saccus vasculosus of freshwater catfish, *Eutropiichthys vacha* (Hamilton, 1822). ***Cibtech Journal of Zoology***, 3 (2): 68-75.
26. **Ghosh, S. K.** and P. Chakrabarti, 2014. Histological studies on the saccus vasculosus of the Indian freshwater teleost, *Labeo bata* (Hamilton, 1822). ***Journal of Zoological and BioScience Research***, 1 (3): 20-24.
27. **Ghosh, S. K.** and P. Chakrabarti, 2014. Structural characterization of the olfactory epithelium of freshwater olive barb, *Puntius sarana* (Hamilton, 1822). ***International Journal of Aquatic Biology***, 2 (3): 147-154. DOI: 10.22034/ijab.v2i3.78.
28. Chakrabarti, P. and **S. K. Ghosh**, 2014. Cyclical changes in interrenal and chromaffin cells in relation to testicular activity of olive barb, *Puntius sarana* (Hamilton). ***Archives of Polish Fisheries***, 22 (2): 151-158. DOI: 10.2478/aopf-2014-0015.
29. **Ghosh, S. K.** and P. Chakrabarti, 2014. Histological and histochemical observations on the saccus vasculosus of freshwater featherback, *Notopterus notopterus* (Pallas, 1769). ***Entomology and Applied Science Letters***, 1 (1): 27-34.
30. **Ghosh, S. K.** and P. Chakrabarti, 2014. Histochemical investigations on the olfactory epithelium of the freshwater minor carp, *Labeo bata* (Hamilton, 1822). ***Bioinfo Aquatic Ecosystem***, 3 (1): 54-58.
31. **Ghosh, S. K.** and P. Chakrabarti, 2014. Histophysiological studies on the olfactory epithelium of banded pearl spot *Etroplus suratensis* (Bloch, 1790). ***Journal of Entomology and Zoology Studies***, 2 (1): 78-82.
32. **Ghosh, S. K.** and P. Chakrabarti, 2013. Studies on the morphology of the olfactory organ in the freshwater teleost, *Labeo bata* (Hamilton). ***Mesopotamian Journal of Marine Science***, 28 (2): 163-174.
33. Chakrabarti, P. and **S. K. Ghosh**, 2013. Histochemical studies of the olfactory epithelium of brackish-water cichlid fish, *Etroplus suratensis* (Bloch). ***Archives of Polish Fisheries***, 21 (4): 315-321. DOI: 10.2478/aopf-2013-0032.
34. **Ghosh, S. K.** and P. Chakrabarti, 2013. Architectural pattern of different cells lining the olfactory epithelium of long-whiskered catfish, *Sperata aor* (Hamilton). ***Mesopotamian Journal of Marine Science***, 28 (1): 69-80.

35. Chakrabarti, P. and **S. K. Ghosh**, 2013. Histological and histochemical studies of the olfactory organ in bagrid catfish *Rita rita* (Hamilton, 1822). ***Journal of Biological Sciences***, 13 (4): 242-249. DOI:10.3923/jbs.2013.242.249.
36. **Ghosh, S. K.** and P. Chakrabarti, 2013. Histophysiology and histochemical analysis of the saccus vasculosus of butter catfish *Ompok bimaculatus* (Bloch, 1794). ***Journal of Entomology and Zoology Studies***, 1 (3): 22-28.
37. Chakrabarti, P. and **S. K. Ghosh**, 2013. Structural organization of the olfactory epithelium of *Etroplus suratensis* (Bloch) and *Scatophagus argus* (Linnaeus) in relation to feeding habit: a comparative study. ***Proceedings of International Level Seminar on Problems and Prospects of Coastal Aquaculture and Application of Biotechnological Tools for Rural Development volume***, pp. 85-95.
38. **Ghosh, S. K.** and P. Chakrabarti, 2013. Topological organization and functional aspects of the olfactory epithelium of whipfin silver biddy *Gerres filamentosus* (Cuvier 1829). ***Pakistan Journal of Biological Sciences***, 16 (5): 245-250. DOI:10.3923/pjbs.2013.245.250.
39. Chakrabarti, P. and **S. K. Ghosh**, 2012. Comparative histophysiology of pancreas in *Cirrhinus mrigala* (Hamilton, 1822), *Oreochromis nilotica* (Linnaeus, 1758) and *Wallago attu* (Bloch & Schneider, 1801). ***Indian Journal of Fisheries***, 59 (4): 93-99.
40. **Ghosh, S. K.** and P. Chakrabarti, 2012. Histological organization and microarchitecture of various cells lining the olfactory epithelium of *Rita rita* (Hamilton, 1822) (Siluriformes: Bagridae). ***Biological Letters***, 49 (2): 89-96. DOI: 10.2478/v10120-012-0005-4.
41. **Ghosh, S. K.** and P. Chakrabarti, 2012. Histochemical study of the olfactory rosette of *Cyprinus carpio* (Linnaeus, 1758). ***Iranian Journal of Fisheries Sciences***, 11 (2): 305-314.
42. **Ghosh, S. K.** and P. Chakrabarti, 2011. Distribution and organization of different cells lining the olfactory epithelium of the Indian minor carp, *Labeo bata* (Hamilton 1822): a light and scanning electron microscopic analysis. ***Pakistan Journal of Biological Sciences***, 14 (14): 736-741. DOI: 10.3923/pjbs.2011.736.741.
43. Chakrabarti, P. and **S. K. Ghosh**, 2011. The structural organization and functional aspects of the olfactory epithelium of tigerperch, *Terapon jarbua* (Forsskål, 1775) (Perciformes: Terapontidae). ***Turkish Journal of Zoology***, 35 (6): 793-799. DOI: 10.3906/zoo-1004-29.
44. Chakrabarti, P. and **S. K. Ghosh**, 2011. Histological and ultrastructural studies of the olfactory rosette of spotted butter fish *Scatophagus argus* (Linnaeus). ***Folia Morphologica***, 70 (2): 74-79. PMID: 21630226.
45. **Ghosh, S. K.**, B. Ghosh and P. Chakrabarti, 2011. Fine anatomical structures of the intestine in relation to respiratory function of an air-breathing loach, *Lepidocephalichthys guntea* (Actinopterygii: Cypriniformes: Cobitidae). ***Acta Ichthyologica et Piscatoria***, 41 (1): 1-5. DOI: 10.3750/AIP2011.41.1.01.
46. Chakrabarti, P. and **S. K. Ghosh**, 2010. Histoarchitecture and scanning electron microscopic studies of the olfactory epithelium in the exotic fish *Puntius javanicus* (Bleeker). ***Archives of Polish Fisheries***, 18 (3): 173-177. DOI: 10.2478/v10086-010-0019-7.

47. **Ghosh, S. K.** and P. Chakrabarti, 2010. Histological and scanning electron microscopic organization and functional aspects of the surface olfactory epithelium of the freshwater minor carp, *Puntius sophore* (Hamilton). ***Proceedings of the Zoological Society***, 63 (2): 115-119. DOI: 10.1007/s12595-010-0016-2.
48. **Ghosh, S. K.** and P. Chakrabarti, 2010. Cellular organization and functions of the olfactory epithelium of pearl spot *Etroplus suratensis* (Bloch): a light and scanning electron microscopic study. ***Folia Morphologica***, 69(3): 154-159. PMID: 21154285.
49. **Ghosh, S. K.** and P. Chakrabarti, 2010. Histological studies of saccus vasculosus of fishes *Notopterus notopterus* (Pallas) and *Ompok bimaculatus* (Bloch). ***Environment & Ecology***, 28 (1): 34-37.
50. Chakrabarti, P. and **S. K. Ghosh**, 2010. Histological and scanning electron microscopical study of the olfactory epithelium of Indian major carp, *Catla catla* (Hamilton). ***Folia Morphologica***, 69 (1): 24-29. PMID: 20235046.
51. Chakrabarti, P. and **S. K. Ghosh**, 2009. Histophysiological studies on the saccus vasculosus of *Macrornathus aculeatum* (Bloch). ***Proceedings of the Zoological Society***, 62 (2): 139-142. DOI: 10.1007/s12595-009-0016-2.
52. **Ghosh, S. K.** and P. Chakrabarti, 2009. Cellular architecture and functional aspects of the olfactory rosette of *Wallago attu* (Bleeker). ***Turkish Journal of Fisheries and Aquatic Sciences***, 9 (2): 187-190. DOI: 10.4194/trjfas.2009.0210.
53. Chakrabarti, P. and **S. K. Ghosh**, 2009. Ultrastructural organisation and functional aspects of the olfactory epithelium of *Wallago attu* (Bleeker). ***Folia Morphologica***, 68 (1): 40-44. PMID: 19384829.

Book Chapters

1. **Ghosh, S. K.** and P. Chakrabarti, 2018. Comparative histological study of endocrine pancreas in *Labeo rohita* (Hamilton, 1822), *Mystus cavasius* (Hamilton, 1822) and *Notopterus notopterus* (Pallas, 1769). In: Sustainable management of aquatic resources (Mahapatra, B. K., A. K. Roy and N. C. Pramanik Ed.). Narendra Publishing House, Delhi: pp. 43-53.
2. Ray, S. and **S. K. Ghosh**, 2018. Breeding of fish. In: Studies of Sexual Perspectives (Biswas, D. Ed.). Banglar Mukh, Kolkata: pp. 291-300.
3. **Ghosh, S. K.**, B. Pan and P. Chakrabarti, 2017. Structural organization and functional aspects of the olfactory epithelium of red piranha, *Pygocentrus nattereri* (Kner, 1858). In: *Spare Nature* (Sinha, S. K. and S. Majumdar Ed.). Damodar Group, Burdwan: pp. 19-35.

Short Communication

1. **Ghosh, S. K.** 2021. Anatomical, histoarchitectural and topological studies on the olfactory organ of freshwater garfish, *Xenentodon cancila* (Hamilton, 1822), ***International Journal of Aquatic Biology*** (Accepted).

CITATION INDICES

Total Citations: 295; *h*-index: 10; *i10*-index: 12 (Source: Google Scholar)

RESEARCH PROJECTS

1. Acting as **Co-Investigator** of the **West Bengal Biodiversity Board Research Project** (September 26, 2020–till date) entitled “**Creation of Biodiversity Conservation-Education Centre at the campus of Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly**” [No.: 637/1V(Bio)-2/2020 dt. 26/08/2020] (Sanctioned Amount: Rs. 3,15,000.00).
2. Acting as **Principal Investigator** of the **DHESTB, Government of West Bengal funded Research Project** (September 06, 2018–till date) entitled “**Cyclical changes of sensory and non-sensory cells lining the olfactory epithelium in relation to reproductive function of freshwater catfish, *Clupisoma garua* (Hamilton, 1822)**” [Memo No. 275(Sanc.)/ST/P/S&T/1G-37/2017 dt. 27/03/2018 & 761(Sanc.)/STBT-11012(11)/14/2020-ST SEC dt. 27/01/2021](Sanctioned Amount: Rs. 5,99,060.00).
3. Completed the **UGC Minor Research Project** (December 06, 2016–December 06, 2018) entitled “**Neuroanatomy and morphohistological architecture of various cells of the olfactory epithelium and their seasonal variations in relation to gonadal activities and spawning in freshwater catfish, *Eutropiichthys vacha* (Hamilton, 1822)**” [No. F. PSW-016/15-16 (ERO) ID No. WB1-014 dt. 15/11/2016] as **Principal Investigator** (Sanctioned Amount: Rs. 4,10,000.00).

EDITORIAL BOARD MEMBER

1. Iranian Journal of Ichthyology [ISSN Print: 2383-1561; ISSN Online: 2383-0964] (Since March 27, 2020)
2. EC Veterinary Science (Since August 29, 2020)
3. Journal of Entomology and Zoology Studies [ISSN Print: 2349-6800; ISSN Online: 2320-7078]
4. International Journal of Zoology Studies [ISSN: 2455-7269]
5. Scientific Research and Reviews

REVIEWER

1. The Journal of basic & Applied Zoology
2. Egyptian Journal of Aquatic Research
3. Microscopy Research and Technique
4. Asian Journal of Animal and Veterinary Advances
5. Proceedings of the National Academy of Sciences, India Section B: Biological Sciences
6. Iranian Journal of Ichthyology
7. Iranian Journal of Fisheries Sciences
8. Journal of Fisheries
9. International Journal of Zoology Research
10. Italian Journal of Zoology
11. International Journal of Aquatic Biology
12. InSc-International Journal of Basic and Applied Sciences
13. Microscopy and Microanalysis

TRAINING/ COURSE UNDERGONE

1. **UGC-Sponsored Refresher Course in Natural and BioSciences** organized by UGC-Human Resource Development Centre, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (November 24-December 07, 2020).
2. Online Faculty Development Program on **Life Skills for Educators** organized by Teaching Learning Centre, Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh-221 005 (November 02-06, 2020).
3. Faculty Development Programme on **“Sustainable Environmental Geotechnics”** organized by Department of Civil Engineering, Sagi Rama Krishnam Raju Engineering College, Bhimavaram, Andhra Pradesh-534 204 (October 05-09, 2020).
4. TEQIP-III Sponsored online **Short Term Course/ Workshop on “Computational Tools for Analysis of Biological Systems”** organized by Department of Biotechnology, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar-144 011, Punjab (September 02-06, 2020).
5. Faculty Development Programme on **“Research Opportunities in Environmental Engineering”** organized by Civil Engineering, Bharati Vidyapeeth, Pune in association with S. B. Patil College of Engineering, Indapur, Pune, Maharashtra-413 106 (July 20-25, 2020).
6. Faculty Development Programme on **Digital Education Tools for Teachers** organized by Department of Management Studies, University of Madras, Chennai, Tamil Nadu-600 005 (June 18-20, 2020).
7. TEQIP-III Sponsored online **Short Term Course on “Trends and Prospects in Biorefinery”** organized by Department of Biotechnology, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar-144 011, Punjab (June 10-14, 2020).
8. **7-Days National Level Workshop on Exploring Some Aspects of Tagore’s Thoughts** organized by NSS units, Burdawn Raj College, Purba Bardhaman-713 104, West Bengal (May 15-21, 2020).
9. **UGC Sponsored Workshop on Remote Sensing & GIS** organized by UGC-Human Resource Development Centre, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (March 12-18, 2019).
10. **UGC Sponsored Workshop on CBCS** organized by UGC-Human Resource Development Centre, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (January 29-February 04, 2019).
11. Summer School on **“Use and Application of SPSS”** organized by Biological Anthropology Unit, Indian Statistical Institute, Kolkata-700 018, West Bengal (September 10-14, 2018).
12. Model Training Course on **“Enclosure Culture in Inland Open Waters”** organized by ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata-700 120, West Bengal (August 22-29, 2017).
13. **Refresher Course in Bio-Sciences** organized by UGC-Human Resource Development Centre, University of Kashmir, Hazratbal, Srinagar-190 006 (May 15-June 03, 2017).

14. **UGC sponsored Short Term Course on Environmental Science** organized by UGC-Human Resource Development Centre, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (May 24-30, 2016).
15. **UGC sponsored 103rd Orientation Programme** organized by UGC-Human Resource Development Centre, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (March 01-28, 2016).
16. **“XXXI National Training Program in Electron Microscopy for Scientific Investigators”** organized by Sophisticated Analytic Instrument Facility, Department of Anatomy, All India Institute of Medical Sciences, New Delhi-110 029 (November 16-28, 2015).
17. **“Breeding of Small Indigenous Fish Species (SIFS) with emphasis on Pabda, *M. gulio* & Reba”** organized by the ICAR-Central Institute of Freshwater Aquaculture, Kalyani Field Station, Nadia-741 235, West Bengal (July 11-17, 2015).
18. **“Entrepreneurship Development in Ornamental Fish Breeding and Culture”** organized by the Central Institute of Fisheries Education (Deemed University, ICAR), Kolkata Centre, Kolkata, Salt Lake-700 091, West Bengal (August 20-26, 2013).
19. **“Certificate in Information Technology Application (CITA) Course”** from Burdwan Youth Computer Training Centre, Purba Bardhaman-713 101, West Bengal [A Joint Initiative of Department of Sports and Youth Services, Government of West Bengal and CFAC] (March 2007-September 2007).

INVITED TALK

1. International Research Conference on **“Recent Trends in Life Sciences”** held at Sidho Kanho Birsha University, Purulia-723 104, West Bengal (November 28-29, 2019).
2. One Day State Level Webinar on **“Trends in Biology-Past, Present & Future”** organized by Department of Zoology and Botany, Kandra Radha Kanta Kundu Mahavidyalaya, Kandra, Purba Bardhaman-713 129, West Bengal (September 29, 2020)

SEMINAR/ CONFERENCE/ SYMPOSIUM/ WORKSHOP/ WEBINAR PARTICIPATED

1. **International Web Conference on Environment and Society (ICES-2020)** organized by Global Environment & Social Association, Maharishi Markandeshwar (Deemed to be University), Government Kamla Raja Girls Post Graduate (Autonomous) College, K. J. Somaiya College of Arts, Commerce & Science, National Environmental Science Academy and Asian Biological Research Foundation (December 26-28, 2020).
2. National Webinar on **Current Scenario and Future Challenges with Emphasis on Awareness about COVID-19 Pandemic** organized by The National Academy of Sciences, India (NASI), Prayagraj, Uttar Pradesh-211 002 (December 22, 2020).
3. Webinar on **Impact of Invasive Alien Species on Biodiversity Conservation** organized by Zoological Survey of India, Southern Regional Centre, Chennai, Tamil Nadu 600 028 (November 04, 2020).

4. National Level E-Workshop on **Qualitative Metrics & Quantitative Metrics: Data Validation for Assessment of HEI by NAAC** organized by Vijaygarh Jyotish Ray College, Jadavpur, Kolkata-700 032, West Bengal (November 03, 2020).
5. International webinar on **"Recent Advancements in Biological Science"** organized by Department of Zoology, Vivekananda Mahavidyalaya, Purba Bardhaman-713 103, West Bengal (October 18, 2020).
6. International e-Conference on **After the Asteroid: Earth's Comeback Story** organized by BioLogic (October 11, 2020).
7. Workshop on **"How to Use Information and Communication Technology in Teaching Learning and Administrative Works in Higher Education Institutions"** organized by Bankura University, Bankura-722 155 Bankura University In collaboration with Malda College, Malda-732 101, West Bengal (September 29-30, 2020).
8. One Day National Webinar on **"Impact of Covid-19 Pandemic: Biodiversity and Sustainable Development"** jointly organized by Department of Zoology in collaboration with IQAC, Panskura Banamali College, Panskura, Purba Medinipur-721171, West Bengal and Zoological Society of India, Bodh Gaya, Bihar (September 24, 2020).
9. One Day International Webinar on **"Health Issues and Approaches in Pandemic Situations"** organized by Dum Dum Motijheel College, Dumdum-700 074, West Bengal (September 22, 2020).
10. One Day International Webinar on **"A modern outlook in Molecular Biology and Environmental Modelling-Now and Beyond"** organized by Department of Zoology in association with IQAC, Government General Degree College, Mohanpur, Belda-721 436, West Bengal (September 20, 2020).
11. **The AQUA Show 2020** Virtual Knowledge Conclave organized by Altis Communication and Aquavet Consulting (September 19, 2020).
12. International Webinar on **"Sustainable Biodiversity for Sustainable Livelihood"** organized by Raghunathpur College, Purulia-723 133, West Bengal (September 15-16, 2020).
13. One day National Level Webinar on **Photography as a Successful Tool for Creating Awareness and Conservation of Nature: Chapter-II** organized by IQAC, Suri Vidyasagar College, Suri, Bibhum-731 101 in collaboration with Sambhu Nath College, Labpur, Birbhum-731 303, West Bengal (September 12, 2020).
14. **Professional Development Programme for Faculty Members** organised by IQAC, Krishnagar Women's College, Krishnanagar-741 101, West Bengal (September 12, 2020).
15. International Webinar on **"Small Scale Fisheries in Inland Open Waters: Status and Opportunities"** organized by ICAR-Central Inland Fisheries Research Institute, Barrackpore in collaboration with Inland Fisheries Society of India and Professional Fisheries Graduates Forum (September 09-10, 2020).

16. National Webinar on "**Taxonomy and its Applications: Learn from the Experts**" organized by Zoological Survey of India, Western Regional Centre, Pune, Maharashtra-411 044 (September 09, 2020).
17. National Webinar on "**Liposomes for Targeted Cancer Therapy and Dendritic Cell based Cancer Immunotherapy**" jointly organized by the Department of Chemistry and Seminar Committee, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712 147, West Bengal (September 09, 2020).
18. One Day State Level Webinar on "**Mosquito Borne Diseases, their Control and Perspective of Environmental Health**" organized by Department of Zoology, Maharajadhiraj Uday Chand Women's College, Purba Bardhaman-713 104, West Bengal (September 04, 2020).
19. International Webinar on "**Recent Advancement in Biological Research**" organized by Midnapore City College, Midnapore, Paschim Medinipur-721 129, West Bengal (September 02, 2020).
20. International Webinar on "**Contemporary Issues in Biodiversity and its Related Technologies**" jointly organized by Department of Zoology and Geography, Chakdaha College, Nadia-741 222, West Bengal (August 30, 2020).
21. One day State Level Webinar on "**Photography as a Successful Tool for Creating Awareness and Conservation of Nature**" organized by IQAC, Suri Vidyasagar College, Suri, Bibhum-731 101 in collaboration with Sambhu Nath College, Labpur, Birbhum-731 303, West Bengal (August 27, 2020).
22. International Webinar on "**Revisiting History from Different Dimensions**" jointly organized by Department of History & Seminar Committee, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712 147, West Bengal (August 24-25, 2020).
23. Two days workshop on "**How to organize webinars and classes on digital platform**" organized by Department of Zoology, Jhargram Raj College, Jhargram-721 507, West Bengal (August 23-24, 2020).
24. One Day State Level Webinar on "**Towards a Futuristic Perspective of COVID-19 Pandemic: Work-Life balance for Survival**" organized by Department of Commerce, Sreegopal Banerjee College, Bagati, Magra, Hooghly-712 148, West Bengal (August 23, 2020).
25. One Day Orientation Programme on **NAAC & CAS** organized by IQAC, organized by Malda College, Malda-732 101, West Bengal (August 23, 2020).
26. National Webinar on "**NAAC Accreditation Process in the perspective of New Education Policy**" jointly organized by Malda College, Malda-732 101, K. K. Das College, Kolkata-700 084 and Saheed Kshudiram College, Alipurduar-736 202, West Bengal (August 22, 2020).
27. One day National level Workshop on "**Practical Aspects of Yoga for Promotion of Personal Health**" jointly organized by Indian Yoga Association and Khejuri College, Baratala, Khejuri, Purba Medinipur-721 432, West Bengal (August 16, 2020).

28. International Webinar on **Quantum Biology in Nature** organized by Raja Peary Mohan College, Uttarpara, Hooghly-712 258, West Bengal (August 14, 2020).
29. National Webinar on **“Freshwater Fish Diversity in India”** organized by Freshwater Biology Regional Centre, Zoological Survey of India, Hyderabad-500 030, Telangana, (August 13, 2020).
30. State level Webinar on **Elephant: Lord of Jungle; Conflict; Threats and Conservation** on occasion of World Elephant Day organized by Department of Zoology, Sree Chaitanya College, Habra, North 24 Parganas-743 268, West Bengal (August 12, 2020).
31. Two Days State Level Webinar on **“Covid-19: Molecular aspects and its possible managements”** organized by Department of Zoology and Botany, Kalna College, Kalna-713 409, Purba Bardhaman, West Bengal (August 07-08, 2020).
32. International web conference on **“Climate Change & Human Health”** organized by Tufanganj Mahavidyalaya, Tufanganj, Cooch Behar-736 159 in association Ananda Chandra College, Jalpaiguri-735 101, West Bengal (August 07, 2020).
33. National Webinar on **“Dengue and its Prevention”** organized by Bankura Sammilani College, Bankura-722 102, West Bengal (August 04, 2020).
34. State Level Webinar entitled **“COVID-19 and Sustainable Development Goals: The Indian Perspective”** organized by Khejuri College, Baratala, Khejuri, Purba Medinipur-721 432, West Bengal (August 02, 2020).
35. International Seminar on **“New Normal in Fisheries Sector Amidst and Post COVID-19 in India”** organized by TNJFU Business School (Fisheries), Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam-611 002, Tamil Nadu (July 31-August 02, 2020).
36. International Webinar on **Ideals of Swami Vivekananda and role of students for achieving successful life towards development of new India** organized by Bankura Sammilani College, Bankura-722 102, West Bengal (August 01, 2020).
37. International Webinar on **“Advances in Biological Neural Networks”** organized by Department of Biotechnology and Genetics, Ramaiah College of Arts, Science and Commerce, Bengaluru - 560 054 (July 28-August 01, 2020).
38. Two days International Webinar on **Down Syndrome Research-Approach and Updates** organized by Department of Zoology, University of Calcutta, 35, Ballygunge Circular Road, Kolkata-700 019, West Bengal (July 30-31, 2020).
39. International Conference cum Webinar on **“Research Frontiers and Prospects in Biosciences and Biotechnology”** organized by Department of Biosciences and Biotechnology, Fakir Mohan University, Balasore-756 019, Odisha (July 28-29, 2020).
40. International Webinar on the Eve of World Nature Conservation Day organized by Gushkara Mahavidyalaya, Gushkara-713 128, Purba Bardhaman and Hariharpur Friends of Environment, Arambag, Hooghly-712 601, West Bengal (July 28, 2020).

41. National Level Webinar on **“Odonate Taxonomy”** organized by Department of Zoology, Dr. G. Shankar Govt. Women’s First Grade College & P. G. Study Centre, Udupi-576 101, Karnataka (July 27, 2020).
42. Two Days National Level **E-Workshop on Intellectual Property Rights in Digital Era: In Special Reference with Plagiarism Detection Tools** organized by Vijaygarh Jyotish Ray College, Jadavpur, Kolkata-700 032, West Bengal (July 26-27, 2020).
43. National Webinar on **Recent Trends in Biological and Chemical Sciences to Fight against COVID-19** organized by Kabi Nazrul College, Murarai, Birbhum-731 219, West Bengal (July 26, 2020).
44. International Webinar on **“Food and Nutrition Vs. COVID-19”** organized by Department of Food and Nutrition, University of Kalyani, Kalyani, Nadia-741 235 (July 24, 2020).
45. One Day National Workshop on **The Importance of ICT and its Tools** organized by Department of English and IQAC, Saradha Gangadharan College, Velrampet, Puducherry-605 010 (July 23, 2020).
46. One day State Level Webinar on **“Responsibility and Promotion of College Teachers/Librarians under CAS”** organized by Internal Quality Assurance Cell, Purbasthali College, Parulia, Purba Bardhaman-713 513, West Bengal (July 22, 2020).
47. Webinar entitled **“Care Women’s Health for a Brighter Future”** organized by Women Study Cell, Maharajadhiraj Uday Chand Women’s College, Purba Bardhaman-713 104, West Bengal (July 22, 2020).
48. National Webinar on **Revised NAAC Assessment and Accreditation Process for Affiliated Colleges** organized by Serampore Girls’ College, Serampore, Hooghly-712 201 in collaboration with Bidhan Chandra College, Rishra, Hooghly-712 248, West Bengal (July 22, 2020).
49. State Level Webinar on **Dysfunctional Conflict: Search for Avoidance Strategies** Jointly organized by IQAC, Balagarh Bijoy Krishna Mahavidyalaya, Balagarh, Hooghly-712 501 and IQAC, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712 147, West Bengal (July 19, 2020).
50. National Webinar on **Intellectual Property Rights** organized by IQAC, Tara Devi Harakh Chand Kankaria Jain College, Kolkata-700 002, West Bengal (July 18, 2020).
51. One Day International Web Conference on **Need of the Hour Amidst Pandemicity: Immunological & Psychological, with Special Attention to Students** organized by Department of Zoology & Botany, Victoria College, Kolkata-700 009, West Bengal (July 15, 2020).
52. One Day State Level Webinar on **“The Future of India-China Relations in the Wake of Present Tension”** organized by Department of Political Science & Seminar Committee, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712 147, West Bengal (July 15, 2020).

53. One Day State Level Webinar on **“Learn-Unlearn-Relearn: New Mantra for Students, Teachers & Librarians”** organized by Central Library & IQAC, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712 147, West Bengal (July 14, 2020).
54. One Day National Webinar on **Use of ICT in Teaching Learning during Pandemic and Post Pandemic Situation** organized by Dum Dum Motijheel College, Dumdum-700 074, West Bengal (July 13, 2020).
55. State Level Webinar on **“Administrative Affairs Thrusting upon Promotion of College Teachers/ Librarians under CAS”** organized by Teachers’ Council & IQAC, City College, Kolkata-700 009, West Bengal (July 11, 2020).
56. National Webinar on **“Current Challenges in Biology”** organized by Department of Zoology, Champadanga, Hooghly-712 401, West Bengal (July 01-03 & 10, 2020).
57. One Day Webinar on **“Impact of COVID-19 on Our Psychological Wellbeing and Possible Way Forward”** organized by IQAC, Bejoy Narayan Mahavidyalaya Itachuna, Hooghly-712 147, West Bengal (July 09, 2020).
58. Webinar on **A New View of the Solar System** organized by Department of Physics, Surendranath College, 24/2 M. G. Road, Kolkata-700 009, West Bengal (July 08, 2020).
59. One Day State Level Webinar on **Impact of Covid-19 on Indian Economy** organized by Department of Economics and Commerce, Balagarh Bijoy Krishna Mahavidyalaya, Jirat-712 501, West Bengal (July 07, 2020).
60. Webinar on **“Clinical Investigation Techniques of Gastrointestinal Disorders”** organised by Department of Physics, School of Basic & Applied Sciences, Adamas University, Kolkata-700 126, West Bengal (July 05, 2020).
61. International Webinar on **Nurturing Nature for Sustainable New Normal beyond Pandemic** organized by Department of Botany, Maharajadhiraj Uday Chand Women’s College, Purba Bardhaman-713 104, West Bengal (July 04, 2020).
62. International Webinar Series on **“Recent Trends in Life Sciences”** organized by G.T.N. Arts College, Dindigul, Tamilnadu-624 005 (July 02-04, 2020).
63. International Webinar on **“Covid-19: the Disease, Prevention & Control”** organized by IQAC, Government General Degree College, Singur, Hooghly-712409, West Bengal (July 02, 2020).
64. One-Day International Webinar on **Swami Vivekananda’s evaluation of India** organized by The Ramakrishna Center of South Africa and Bankura Sammilani College, Bankura-722 102, West Bengal (July 01, 2020).
65. National Webinar on **NAAC Assessment and Accreditation for Affiliated Colleges Revised Accreditation Framework** organized by IQAC, Rani Birla Girls’ College, Kolkata-700 017, West Bengal (June 30, 2020).
66. International Webinar on **Forensic Entomology and its Relevance in Legal Proceedings** organized by Department of Zoology, University of Lucknow, Lucknow-226 007, Uttar Pradesh (June 29-30, 2020).

67. One day National Webinar on **“COVID 19: Immuno-informatics for disease diagnosis and next generation vaccine designing”** organized by Department of Zoology & Botany, Bankura Sammilani College, Bankura-722 102, West Bengal (June 29, 2020).
68. Special Lecture Series on **Current Trends in Basic Sciences and Career Opportunities** organized by Balurghat Mahila Mahavidyalaya, Balurghat, Dakshin Dinajpur-733 101, West Bengal (June 25-26, 2020).
69. National Webinar on **Transforming Higher Education in the Context of COVID-19** jointly organized by Department of Education, Asannagar Madan Mohan Tarkalankar College, Nadia-741 161 and Plassey College, Nadia-741 156, West Bengal (June 24, 2020).
70. National Virtual Seminar on **“Trends in Fisheries and Aquaculture”** organized by Department of Zoology, Government of College for Women, Kumbakonam-612 001, Tamil Nadu (June 24, 2020).
71. International Webinar on **‘Socio-Economic Situation of the Tribes in South-Asian Countries in 20th Century: Special Reference to the Santals’** organized by Department of History and Bengali, Kazi Nazrul University, Asansol, Paschim Bardhaman-713 340, West Bengal (June 23, 2020).
72. State Level Webinar on **Recent Trends in Aquaculture & Virus: New Challenges to Mankind** organized by Post Graduate Department of Zoology, Hooghly Mohsin College, Chinsurah, Hooghly-712 101, West Bengal (June 22, 2020).
73. National Webinar on **Challenges and Opportunities of Higher Education Institutions during and post Covid19 Pandemic** organized by PG Department of Education, Fakir Mohan University, Balasore-756 019, Odisha (June 22, 2020).
74. Two-day International Webinar on **“COVID 19: Impact, Preventive Measures and Best Practices”** organized by Department of Physics, Bhairab Ganguly College, Belghoria, Kolkata-700 056, West Bengal (June 21-22, 2020).
75. Two Days National Webinar on **Yoga for Mental Peace** organized by Department of Philosophy, Burdwan Raj College, Purba Bardhaman-713 104, West Bengal (June 21-22, 2020).
76. 1st International Career Outreach E-Workshop organized by Bidhan Chandra College, Asansol, Paschim Bardhaman-713 303, West Bengal (June 21, 2020).
77. International online Faculty Enrichment Programme on **Tips & Tricks for Publishing in International Scientific Journals** organized by Surendranath College, 24/2 M. G. Road, Kolkata-700 009, West Bengal (June 20, 2020).
78. One day International Webinar on **“Recent developments on the Understanding of Epidemic Dynamics and Studying the Evolution of Our Universe by Probing the Neutral Hydrogen Distribution over the Cosmological Time Scales”** organized by Department of Physics, Banwarilal Bhalotia College, Asansol, Paschim Bardhaman-713 303, West Bengal (June 20, 2020)

79. International Webinar on **Recent Trends in Information Sciences** organized by PG Department of Computer Science, Sacred Heart College, Tirupattur, Tamil Nadu-635 601 (June 16-20, 2020).
80. UGC Sponsored Six-Day National Webinar on **“Discovering Statistics using R”** organized by Department of Statistics, Kakaraparti Bhava Narayana College (Autonomous), Kothapeta, Vijaywada-520 001, Andhra Pradesh (June 15-20, 2020).
81. Webinar on **Covid-19: Overview of the Diseases and General Safety Measures** organized by IQAC in association with Department of Physiology, Surendranath College, 24/2 M. G. Road, Kolkata-700 009, West Bengal (June 15, 2020).
82. Webinar on **“Memory Secrets for Teachers”** organized by M. L. Dahanukar College of Commerce, Vile Parle, Mumbai, Maharashtra-400 057 (June 15, 2020).
83. One Day National Webinar on **“An Incredible Journey to Antarctica: The White Continent”** organized by Department of Geography in association with IQAC, Haringhata Mahavidyalaya, Subarnapur, Haringhata, Nadia-741 249, West Bengal (June 14, 2020).
84. Two-Day International Webinar on **Survival Strategies for COVID19 Crisis in India in respect of Economy Finance and Education** organized by Egra Sarada Shashi Bhusan College, Purba Medinipur-721 429 in collaboration with Belda College, Belda, Paschim Medinipur-721 424, West Bengal (June 13-14, 2020).
85. National Webinar on **“Mahseer Fisheries in Meghalaya: Strategies for Conservation & Propagation”** organized by ICAR-Directorate of Coldwater Fisheries Research, Bhimtal-263 136, Nainital, Uttarakhand (June 11, 2020).
86. Webinar on **“Copyright: unraveling the confusions of academe”** organized by Rabindra Mahavidyalaya, Champadanga, Hooghly-712 401, West Bengal (June 10, 2020).
87. International Webinar on **Pandemic Covid-19: Current Scenario and Future Prospects with reference to India** organized by Internal Quality Assurance Cell, Dr. Shyama Prasad Mukherjee Government Degree College, Bhadohi, Uttar Pradesh-221 401 (June 07-08, 2020).
88. International Webinar on **“Recent Progress in Therapeutic Interventions for COVID-19”** organized by Department of Zoology and Environment Science, School of Basic and Applied Sciences, Maharaja Agrasen University, Baddi, Solan-174 103, Himachal Pradesh (June 06, 2020).
89. National Webinar on **Impact of COVID-19 Pandemic on the Environment** organized by Government Degree College, Gosaikheda, Unnao, Uttar Pradesh-209 801 (June 06, 2020).
90. International Webinar on **COVID-19: Challenges and Opportunities** organized by IQAC, Kashipur Michael Madhusudan Mahavidyalaya, Kashipur, Purulia-723 132, West Bengal (June 05, 2020).
91. **An Interactive Session on Time for Nature** on the auspicious occasion of World Environment Day organized by NSS units, Burdawn Raj College, Purba Bardhaman-713 104, West Bengal (June 05, 2020).

92. Webinar entitled “**Living on the Edge with COVID-19**” organized by IQAC, Triveni Devi Bhalotia College, Raniganj, Paschim Bardhaman-713 347, West Bengal (June 04, 2020).
93. 3-Days National Level Webinar on **Goutam Buddha and Rabindranath Tagore: Revisited** organized by Department of Philosophy, Bolpur College, Bolpur, Birbhum-731 204, West Bengal (June 03-05, 2020).
94. National Webinar on **Post Covid-19: Challenges of Good Governance** organized by Jhunjhunwala Business School, Ayodhya, Uttar Pradesh-224 133 (May 31, 2020).
95. National Webinar on **General Awareness: Physiological and Biochemical Aspects of Covid-19** organized by Department of Zoology, Jhunjhunwala P.G. College, Ayodhya, Uttar Pradesh-224 133 (May 30, 2020).
96. Webinar on the '**Steps Towards Life: Chemistry!**' organised by Department of Chemistry, School of Basic & Applied Sciences, Adamas University, Kolkata-700 126, West Bengal (May 29, 2020).
97. Webinar on “**Herbal Nutritional Supplements for Immunity Development against Covid-19**” organised by Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya, Chitrakoot, Satna, Madhya Pradesh-485 334 (May 27, 2020).
98. National Webinar on “**Opportunities & Challenges in Ornamental Fish Breeding with Special Reference to Nutritional Requirements**” organized by College of Fishery Science, Nanaji Deshmukh Veterinary Science University, Jabalpur, Madhya Pradesh-482 001 (May 26-27, 2020).
99. State Level Webinar on “**Post-Pandemic Business Problems and Suitable Measures for its Revitalization**” organized by Egra Sarada Shashi Bhusan College, Purba Medinipur-721 429, West Bengal (May 26, 2020).
100. National Webinar entitled **Impact of Covid-19 on Environment** organized by Department of Zoology, Paliwal College, Shikohabad, Uttar Pradesh 283135 (May 25, 2020).
101. Webinar in the **Series of Advances in Biotechnology for Health, Food and Nutrition to Encounter COVID-19** organized by Department of Biotechnology, AKS University, Satna, Madhya Pradesh-485 001 (May 22-23, 2020).
102. Webinar on **Biodiversity Conservation: Our Solutions are in Nature** organized by Dayanand Girl's P.G. College, Kanpur, Uttar Pradesh-208 001 (May 22, 2020).
103. National Webinar on **Alternative Assessment & Evaluation models during COVID-19 Crisis** organized by Acharya Narendra Dev Nagar Nigam Mahila Mahavidyalaya, Harsh Nagar, Kanpur, Uttar Pradesh-208 012 (May 14, 2020).
104. Webinar on “**COVID-19: Prevention and Environmental Aspects**” hosted by Environmental Diary in collaboration with Hariharpur Friends of Environment, NB Institute of Rural Technology and Global EHS Consultant (May 03, 2020).
105. **6th International Conference on Environment and Ecology** held at University of Allahabad, Prayagraj, Uttar Pradesh-211 002 (February 24-26, 2020).

106. International Seminar on **“Elements of Periodic Table in the Chemical Avenues of Biological World”** organized by South Calcutta Girls’ College, Kolkata-700 025, West Bengal (December 17, 2019).
107. Seminar on **“Academic Leadership”** organized by Department of Zoology in collaboration with IQAC of Serampore College, Serampore-712 201, West Bengal (September 07, 2019).
108. Workshop on **“Use of ICT in Teaching, Research and Administrative Practice”** held at Ramakrishna Sarada Mission Vivekananda Vidyabhavan, Dum Dum, Kolkata-700 055, West Bengal (August 30, 2019).
109. Workshop on **“Perceptions of Wildlife Conservation of Today’s Youth with a focus on Monitor Lizards”** held at Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712 147, West Bengal (July 29, 2019).
110. Workshop on **“Promotion under Career Advancement Scheme”** organized by Internal Quality Assurance Cell, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712 147, West Bengal (July 19, 2019).
111. Workshop on **“Promotion under Career Advancement Scheme (CAS)”** organized by Prasanta Chandra Mahalanobis Mahavidyalaya, Kolkata-700 108, West Bengal (June 29, 2019).
112. Hands on Training on the **Collection, Preservation and Identification of Soil Fauna** organized by Zoological Survey of India, New Alipore, Kolkata-700 053, West Bengal (March 28-29, 2019).
113. 2nd International Conference on **“Frontiers in Biological, Environmental and Medical Sciences”** organized by The University of Burdwan, Purba Bardhaman-713 104, West Bengal (March 07-09, 2019).
114. Workshop on **Methodology and its Application for Under Graduate Course in Zoology Honours under CBCS** organized by PG Department of Zoology, Hooghly Mohsin College, Chinsurah, Hooghly-712 101, West Bengal (January 18-20, 2019).
115. SPARSHA Seminar on **“Ethics & Interdisciplinary Education towards Quality of Human life** held at Ramakrishna Mission Vivekananda centenary College, Rahara, Kolkata-700 118, West Bengal (January 13, 2019).
116. Golden Jubilee International Conference on **“Trends in Zoology”** organized by Department of Zoology, The University Burdwan, Purba Bardhaman-713 104 (January 03-04, 2019).
117. 3rd **Regional Science and Technology Congress**, Southern Region held at Bidhannagar College, Salt Lake, Kolkata- 700 064, West Bengal (December 18-19, 2018).
118. National Seminar on **“Recent Trends in Sciences”** organized by Burdwan Raj College, Purba Bardhaman-713 104, West Bengal (November 16, 2018).
119. International Symposium on **Human Genetics: Population and Disease and Workshop on Thalassemia** organized by Department of Zoology, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (August 24-25, 2018).

120. National Conference on **Recent Trends in Zoological Research in North-East India** held at Department of Zoology, North-Eastern Hill University, Shillong-793 022, Meghalaya (April 19-20, 2018).
121. Brainstorming Session on **“Fish Reproduction Biotechnology: Current and Future Prospects”** organized by Department of Zoology, Visva-Bharati, Santiniketan, Birbhum-731 235, West Bengal (April 06-07, 2018).
122. One Day National Seminar on **“Climate Change and Biodiversity Management”** in collaboration with West Bengal Biodiversity Board, Department of Environment, Government of West Bengal held at Sabang Sajanikanta Mahavidyalaya, Lutunia, Paschim Medinipur-721 166, West Bengal (March 09, 2018).
123. 1st International Conference on **“Frontiers in Biological, Environmental and Medical Sciences”** organized by The University of Burdwan, Purba Bardhaman-713 104, West Bengal (March 08-10, 2018).
124. Science Academies’ three day Lecture Workshop on **“Frontiers in Chemistry: Fundamentals and Applications”** held at Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712 147, West Bengal (December 06-08, 2017).
125. International **“Science Seminar”** organized by Indian Chemical Society and Burdwan Raj College, Purba Bardhaman-713 104, West Bengal (October 10, 2017).
126. **29th All India Congress of Zoology** “International Symposium on Culture based Fisheries in Inland Open Waters & International Satellite Symposium on Fish Immunology” held at ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata-700 120, West Bengal (June 09-11, 2017).
127. UGC sponsored National level Seminar on **“Crosstalk on Zoology”** Organized by Department of Zoology, Vidyasagar University, Midnapore-721 102, West Bengal (March 09, 2017).
128. UGC sponsored National Level Seminar on **“Spare the nature; make the earth green”** organized by Department of Zoology, Sonamukhi College, Sonamukhi, Bankura-722 207, West Bengal (January 05-06, 2017).
129. UGC sponsored state level seminar/ conference/ workshop on **Effective College Administration** (Good Governance for Principals and Enhancement of Initiative for Competence Building in Office, Library & other Departments) organized by Kulti College, Kulti, Paschim Bardhaman-713 343, West Bengal (December 10-11, 2016).
130. **1st Regional State Science and Technology Congress, Bardhaman Division** held at Bankura Christian College, Bankura-722 101, West Bengal (November 07-08, 2016).
131. **23rd West Bengal State Science & Technology Congress** held at Presidency University, Kolkata-700 073, West Bengal (February 28-29, 2016).
132. International conference on **Aquatic Resources and Sustainable Management** organized by Central Calcutta Science and Cultural Association for Youth held at Science City, Kolkata-700 064, West Bengal (February 17-19, 2016).

133. "Science Academies" Lecture Workshop in Biological Sciences on **Cross Talks in Biological Sciences from Concepts to Applications** organized by Ramakrishna Mission Vivekananda Centenary College, Rahara, Kolkata-700 118, West Bengal (January 5-6, 2016).
134. National Conference on **"Applied Zoology in Sustainable Development: An Update"** organized by the Department of Zoology, University of North Bengal, Siliguri-734 014, West Bengal (January 30-February 02, 2015).
135. **21st West Bengal State Science & Technology Congress** held at The University of Burdwan, Purba Bardhaman-713 104, West Bengal (February 20-21, 2014).
136. UGC-DRS sponsored National seminar on **"Bioprospecting of Natural Products"** organized by the Department of Zoology, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (December 5-6, 2013).
137. **24th All India Congress of Zoology and National seminar on Biodiversity and its Management for food, livelihood and Environmental security and National Helminthological Congress** held at University of Kalyani, Kalyani-741 235, West Bengal (November 23-25, 2013).
138. International level seminar on **"Problems and prospects of coastal aquaculture and application of biotechnological tools for rural development"** organized by the Department of Aquaculture Management and Technology, Vidyasagar University, Midnapore-721 102, West Bengal (March 1-3, 2013).
139. **20th West Bengal State Science & Technology Congress** held at Bengal Engineering and Science University, Shibpur, Howrah-711 103, West Bengal (February 28 - March 2, 2013).
140. Sudev Bhusan Ghosh Young Scientist Award Competition organized by The Zoological Society, Kolkata in collaboration with Department of Zoology, University of Calcutta, Kolkata-700 019, West Bengal (February 12, 2013).
141. **100th Indian Science Congress** organized by The Indian Science Congress Association, Kolkata-700 017, West Bengal (January 03-07, 2013).
142. Seminar on **"Frontiers in Molecular Biology and Workshop on Basic Flowcytometry"** organized by the Department of Zoology, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (July 09, 2012).
143. National science day Seminar on **"Clean Energy Option and Nuclear Safety"** in honour of sir C. V. Raman organized by the Department of Biotechnology, The University of Burdwan, Purba Bardhaman-713 104, West Baengal (March 28, 2012).
144. **19th West Bengal State Science & Technology Congress** held at Saha Institute of Nuclear Physics, Kolkata-700 064, West Bengal (March 1-2, 2012).
145. Seminar on **"Trends in Cancer Research"** held at Department of Zoology, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (January 13, 2012).

- 146.UGC Sponsored National Level Seminar on “**Environmental Pollution and its Impact on Human Health**” organized by the Department of Zoology, Raja Rammohun Roy Mahavidyalaya, Radhanagar, Hooghly-712 406, West Bengal (December 22-23, 2011).
- 147.One-day seminar on “**Aquaculture & Probiotics**” organized by the Department of Zoology, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (December 07, 2011).
- 148.UGC-Sponsored National Level Seminar on “**Recent Trends in Zoology with Special Emphasis on Animal Diversity, Fisheries and Genetics**” organized by the Department of Zoology, Kulti College, Kulti, Paschim Bardhaman-713 343, West Bengal (November 28-29, 2011).
- 149.UGC-Sponsored Two-Day International Seminar on **Global Warming** held at Burdwan Raj College, Purba Bardhaman-713 104, West Bengal (November 23-24, 2011).
- 150.**18th West Bengal State Science & Technology Congress** held at Ramakrishna Mission Residential College (Autonomous), Narendrapur, Kolkata-700 103, West Bengal (February 28-March 1, 2011).
- 151.Sudev Bhusan Ghosh Young Scientist Award Competition organized by The Zoological Society, Kolkata in collaboration with Department of Zoology, University of Calcutta, Kolkata- 700 019, West Bengal (December 11, 2010).
- 152.National Seminar cum Exposition **Modern Microscopes and their Applications** organized by the University Science Instrumentation Centre, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (April 8-9, 2010).
- 153.Golden Jubilee International Seminar “**Researches in Zoology-Basic and Applied**” organized by the Department of Zoology, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (March 17-19, 2010).
- 154.National Seminar cum Workshop on “**Advanced Instrumentation Technique for Teaching and Research in Biological Sciences**” held at UGC Centre for Advanced Study, Department of Botany, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (March 25-28, 2009).
- 155.**16th West Bengal State Science & Technology Congress** held at The University of Burdwan, Purba Bardhaman-713 104, West Bengal (February 28 - March 1, 2009).
- 156.National seminar on “**Molecules to Man**” organized by the Department of Zoology, The University of Burdwan, Purba Bardhaman-713 104, West Bengal (February 24-25, 2005).

Resume of Dr. Saroj Kumar Ghosh

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