

**FACULTY MEMBERS' ACADEMIC PROFILE**

- 1. Name of the Faculty member:** DR. SRIKANTA GURIA
- 2. Designation:** ASSOCIATE PROFESSOR (W.B.E.S) of Post Graduate Dept. of Zoology, Krishnagar Government College.
- 3. Qualification:** M.Sc. (Zoology) from University of Calcutta and Ph.D. from University of Calcutta, SLET, NET
- 4. Specialization:** Specialisation in M.Sc.- Parasitology & Immuno Biology,  
Specialisation in Ph.D.- Endocrinology
- 5. E-mail address:** [guriasrikanta@gmail.com](mailto:guriasrikanta@gmail.com), [srikantaguria81@gmail.com](mailto:srikantaguria81@gmail.com)
- 6. Date of Joining in W.B.E.S.:** 03.12.2008
- 7. Date of Joining in this College:** 10.01.2025
- 8. Total Teaching experience at the college level:** more than 16 years in WBES

College	Post	Department	from	to	Teaching Experience
Darjeeling Govt. College, Darjeeling-734101. West Bengal	Assistant professor (W.B.E.S)	P.G. Department of Zoology	3.12.2008	30.4.2013	U.G Hons. and General classes in Zoology and P.G (M.Sc.) classes in Zoology
Barasat Govt. College, Barasat, Kolkata-124	Assistant professor (W.B.E.S)	P.G. Department of Zoology	02.05.2013	09.01.2025	U.G Hons. and General classes in Zoology and P.G (M.Sc.) classes in Zoology
Krishnagar Government College. PO-Krishnagar, Dist- Nadia, Pin-741101	Assistant professor (W.B.E.S)	P.G. Department of Zoology	10.01.2025	Till date	U.G Hons. and General classes in Zoology and P.G (M.Sc.) classes in Zoology

Former Part time lecturer of Zoology at Charuchandra College, 22 Lake Road, Kolkata and Shyampur Siddheswari Mahavidyalaya, Howrah, West Bengal

**Research Experience**

Jr. Research Fellow (JRF), UGC –RFSMS Ref no.UGC/55/ RFSMS dt. 28.2.2008, Department of Zoology, University of Calcutta.

**9. Research interests:**

**Area of interests :** Thyroid dysfunction and diabetes and its effect on different mammalian tissues (rat/mice), Relationship between Thyroid Peroxidase (*TPO*) gene polymorphism and degree of clinical manifestation in population of West Bengal, The association between pregnancy failure and alteration of menstrual cycle and type 2 diabetes mellitus in West Bengal, Association between TCF7L2 and KCNJ11 genes and T2DM in diabetic patients, Peritoneal macrophage

activity in rat/mice in different experimental conditions, Study on invertebrate Hemocytes (molluscs) in different experimental condition, Structural and functional analysis of hemocytes of grasshoppers, Analysis of head kidney derived macrophages, splenic macrophages from rohu and tilapia, and effect of alloxan and streptozotocin (STZ) in cells of rat, mice.

(Total Citation Index=245, h-index=8, i10-index=8)

#### ACADEMIC LINK

1. <https://scholar.google.co.in/citations?hl=en&user=zskRNkMAAAAJ>
2. <https://www.researchgate.net/scientific-contributions/Srikanta-Guria-32627664>
3. <https://orcid.org/0000-0002-1674-5053>
4. VIDWAN ID: <https://vidwan.inflibnet.ac.in/profile/475034>
5. <https://www.scopus.com/authid/detail.uri?authorId=18436606900>
6. Researcher ID /web of sciences ID link-<https://www.webofscience.com/wos/author/record/JWA-6778-2024>

**10. Title of thesis (Ph.D.) with year: Title of the Thesis-**Assessment of Thyroid Peroxidase (*tpo*) Gene Polymorphism in Hypothyroid Patients. **Date of award**=09.01.2014

**11. Research guidance:** Guidance to Master's level (guided PG students for their Post Graduate dissertation/projects. Total number of dissertation/projects=58 at PG level)

**12. Research Projects (Completed and ongoing):** NA

#### 13. List of publications:

##### A) Published papers in Journals:

1. Chakrabarti S, **Guria S**, Samanta I and Das M (2006). Thyroid dysfunction and its effect on testis in Rat. *Proc. Zool. Soc*, 59(2): 215-219. **Springer, ISSN: 0373-5893**
2. Chakrabarti S, **Guria S**, Samanta I and Das M (2007). Thyroid dysfunction modulates glucoregulatory mechanism in Rat. *Ind. J Exp. Biol*, 45 (6): 549-553. **impact factor=1.295, 0.835(2015) CSIR-NISCAIR, PMID: 17585691. SCOPUS, WOS, ICI, UGC journal no. 20769, ISSN. 0019-5189**
3. **Guria S**, Balmiki N, Chakrabarti S and Das M (2010). Thyroid deregulation causes cellular damage in pancreatic islets and spleen in rat. *Animal Biology Journal*, 2(1): 29-35. **Indexed by Google Scholar. Nova sc. International, ISSN 1949-498X**
4. Chakrabarti S, **Guria S**, Balmiki N. and Das M (2010). Thyroid hormone mediated maintenance of glucose homeostasis and cytomorphology of cardiac muscle and skin in rat. *Animal Biology Journal*, 1(3): 157-164. **Indexed by Google Scholar. Nova sc. International, ISSN 1949-498X**
5. **Guria S**, Balmiki N and Das M (2011). Is hypothyroidism responsible for ovarian functional changes in rat? *Recent Advance in Animal Science Research*, VI (B): 773-776. **ISBN-81-88094-02-9**

- 6. Guria S.** and Das M (2011) Impaired nitric oxide and acid phosphatase activity in hypo and hyperthyroid rat. *Recent Advance in Animal Science Research*, VI (B): 759-762. **ISBN-81-88094-02-9**
- 7. Guria S** (2011). Altered cytomorphology of neutrophil during thyrotoxicosis in rat. *Recent advances in animal science research*, VIB: 770-772. **ISBN.81-88094-02-9**
- 8. Guha M, Sen P, Ghosh S, Ghosh S, Chaudhuri A, Gupta P, Das S, Mukherjee S, Ghosh R, Roy Chowdhury R, Guria S and Das M** (2011). Hypothyroidism causes cellular damage retinal tissue and biceps in rat. *Animal Biology Journal*, 2(4): 147-152. **Indexed by Google Scholar. Nova sc. International, ISSN 1949-498X**
- 9. Guria S** and Das M (2011). Hypothyroidism reduces phagocytic activity of rat macrophage. *Animal Biology Journal*, 2(4): 163-170. **Indexed by Google Scholar. Nova sc. International, ISSN 1949-498X**
- 10. Guria S, Balmiki N, Chakrabarti S and Das M** (2011). Methimazole Induced Hypothyroidism Modulates Cytomorphology of Skin Epidermis and Collagen Synthesis in Rat. *Animal Biology Journal*, 2(3): 127-132. **Indexed by Google Scholar. Nova sc. International, ISSN 1949-498X**
- 11. Guria S, Chhetri S, Saha S, Chetri N, Singh G, Saha PB, Sarkar BS, and Das M.** (2012). Study of cytomorphology of pancreatic islets and peritoneal macrophage in alloxan induced diabetic rat: a mechanistic insight. *Animal Biology Journal*, 3(3): 101-110. **Indexed by Google Scholar. Nova sc. International, ISSN 1949-498X**
- 12. Guria S** and Das M (2012). Phagocytosis of Yeast Particles by Peritoneal Macrophage in Normal and Hyperthyroid Rat. *Animal Biology Journal*, 3(1): 51-57. **Indexed by Google Scholar. Nova sc. International, ISSN 1949-498X**
- 13. Balmiki N, Guria S, Bankura B, Pattanayak AK, Sinha A, Das TK, Chakrabarti S, Chowdhury S, and Das M** (2012). Clinical Spectrum of Hypothyroidism in West Bengal, India. *Animal Biology Journal*, 3(1): 31-37. **Indexed by Google Scholar. Nova sc. International, ISSN 1949-498X**
- 14. Guria S, Chhetri S, Saha S, Chetri N, Singh G, Saha PB, Sarkar BS, and Das M** (2012). Pulmonary Involvement of Arsenic Poisoning and Effect of Arsenic Toxicity on Peritoneal Macrophages and Spleen Cells in Rat. *Animal Biology Journal*, 3(2): 67-76. **Indexed by Google Scholar. Nova sc. International, ISSN 1949-498X**
- 15. Guria S, Balmiki N, Bankura B, Pattanayak A K, Das T, Chakrabarti S, Sinha A., Chowdhury S. Das M** (2012). Thyroid peroxidase (tpo) gene mutation in hypothyroid females and its association with menstrual disturbances and abortion in the population of West Bengal. *NBU J. Anim. Sc.*, 6: 40-47. **UGC journal no. 64000, ISSN.0975-1424**
- 16. Guria S** and kiran P (2013). Present Scenario of Malaria Treatment In Alipurduar-I Block In Jalpaiguri District. *Recent Advance in Animal Science Research*, VI (C): 990-994. **ISBN.81-88094-02-9**
- 17. Sultana, Z., Guria, S., Das, M** (2014). A Systematic Review at the Crossroads of Polymorphisms in Pro inflammatory Cytokine Genes and Gastric Cancer Risk. *J. Atoms and Molecules*, 4(5): 791 – 802. **[ICI, Thomson Reuters, Research Gate, Google Scholar, Infobase index, ACS chemistry for life, Science Central, Copernicus, Scirus] impact factor=0.564, ISSN – 2277 – 1247, UGC LIST JOURNAL NO.22620, 21530**
- 18. Guria S, Ghosh S and Das M** (2014). Diabetogenic Action Of Alloxan On Liver Histopathology. *the experiment*, 28(2): 1906-1912. **Impact Factor=0.33, indexed by Google Scholar, Copernicus, Research Gate. ISSN-2319-2119**

**19. Guria S, Bankura B, Balmiki N, Pattanayak AK, Das TK, Sinha A, Chakrabarti S, Chowdhury S, and Das M (2014).** Functional Analysis of Thyroid Peroxidase Gene Mutations Detected in Patients with Thyroid Dyshormonogenesis. *International Journal of Endocrinology*. **Indexed in SCOPUS. impact factor= 2.518 (2014) ,2.376 (2017)**, UGC journal no. 2959, ISSN: 1687-8337, <http://dx.doi.org/10.1155/2014/390121>

**20. Balmiki N, Bankura B, Guria S, Das TK, Pattanayak AK, Sinha A, Chakrabarti S, Chowdhury S, and Das M (2014).** Genetic analysis of thyroid peroxidase (*TPO*) gene in patients whose hypothyroidism was found in adulthood in West Bengal, India. *Advance Publication* doi: *10.1507/endo*, EJ13-0237, 61 (3), 289-296. **Indexed in SCOPUS. impact factor= 2.23(2014) 2.02(2015)**. UGC journal no. 19504, Print ISSN 0918-8959, online ISSN 1348-4540

**21. Chakrabarti, S., Chowdhury, S., Ghosh, S., Guha, M., Ghosh, S., Guria, S., Pattanayak, A. K., and Das, M (2015).** Stillbirth and miscarriage associated with type 2 diabetes mellitus. *International Journal of Research and Development in Pharmacy and Life Sciences*. 4(5): 1732-1736. **Impact Factor=0.764. Highest ICV (Index Copernicus Value) for 2014 = 71.94. Coverage in Elsevier, UGC LIST SR. NO.7978, 5493 ISSN (P): 2393-932X, ISSN (E): 2278-0238**

**22. Ghosh S, Ghosh S, Guria S, Chakraborty S and Das M (2015).** Epidemiologic Evidence of Gastric Cancer Prognosis: Role of Dietary Factors. *International Journal of Research and Development in Pharmacy and Life Sciences*. 4(4): 1620-1624. **Impact Factor=0.764. Highest ICV (Index Copernicus Value) for 2014 = 71.94. Coverage in Elsevier UGC LIST SR. NO.7978, 5493, ISSN (P): 2393-932X, ISSN (E): 2278-0238**

**23. Chakrabarti, S., Chowdhury, S., Ghosh, S., Guha, M., Ghosh, S., Guria, S., Pattanayak, A. K., and Das, M., (2015).** Alteration of menstrual cycle associated with type 2 diabetes mellitus in women of west Bengal. *J. Atoms and Molecules*, 5(2): 872 – 879. **SJIF (2012): 3.926 [ICI, Thomson Reuters, Research Gate, Google Scholar, Infobase index, ACS chemistry for life, Science Central, Copernicus, Scirus] impact factor= 0.564, J. Atoms and Molecules (2015), UGC LIST JOURNAL NO.22620, 21530, ISSN – 2277 – 1247**

**24. Guria S, Bose M, Mondal J and Majumder N (2015).** Alteration of Cytomorphology of Mice Peritoneal Macrophages, Spleen cell and Histological Analysis of Liver and Pancreas under Eltroxin Induced Condition: A Preliminary study of “Thyroid Diabetes”. *The Global Journal Of Life Science & Research*, 1 (1): 11-18, **ISSN 2395 - 115X**

**25. Ghosh S, Guria S, and Das M (2015).** Alcohol as a Risk Factor for Cancer Burden: A Review. *Proc Zool Soc*. DOI 10.1007/s12595-014-0134-3. **Springer, ISSN: 0373-5893 (Print) 0974-6919 (Online) UGC listed**

**26. Guria S, Parveen S and Goswami DS (2016).** Alteration of Morphology, Phagocytic Behaviour and Aggregation of Insect Haemocytes Exposed to Contaminated Food with Arsenic and Lead. *International Journal of PharmTech Research*, 9(5), 177-186. **SNIP impact factor=0.66, IPP= 0.619, SCOPUS- scimago impact, H index=19, UGC LIST SR. NO.16664, ISSN: 0974-4304**

**27. Guria S, Das M (2016).** Cytoplasmic vacuolation in resident peritoneal macrophages in rat exposed to lead acetate: the apoptosis/necrosis/ paraptosis paradox. *J. Atoms and Molecules*, 6(1): 946 – 954 **[ICI, Thomson Reuters, Research Gate, Google Scholar, Infobase index, ACS chemistry for life, Science Central, Copernicus, Scirus] impact factor= 0.564, UGC LIST JOURNAL NO.21530, ISSN – 2277 – 1247**

**28. Guria S, Chakraborty B and Banerjee M (2016).** Chromium (VI) induced histological changes of pancreatic islets and liver: a preliminary study of metal induced diabetes mellitus. *The Experiment*, 35(1): 2171-2181. **Impact Factor=0.33, indexed by Google Scholar, Copernicus, Research Gate. ISSN-2319-2119**

- 29. Mitra P, Guria S, Ghosh S, Chakraborti S, Chakraborty A, Das S, Chatterjee P, Paul P, Mandal D, Chatterjee B and Das M (2016).** A preliminary study of clinical manifestations of polycystic ovary syndrome (PCOS) in Kolkata. *International Journal of Research and Development in Pharmacy and Life Sciences*. 5(2): 2074-2079. **Impact Factor=0.764. Highest ICV (Index Copernicus Value) for 2014 = 71.94. Coverage in Elsevier, UGC LIST SR. NO.7978, 5493 ISSN (P): 2393-932X, ISSN (E): 2278-0238**
- 30. Guria S (2016).** Enumeration and Structural Assessment of Murine Peritoneal Macrophages Exposed to Chromium (VI): A Preliminary Study. *Journal of Global Biosciences*, 5(2): 3650-3655. **Impact Factor=0.676, (ISSN 2320-1355), UGC journal no. 2775**
- 31. Guria S.** Methimazole induced hypothyroidism alters histological structure of kidney in albino rat: A preliminary study. *J. Atoms and Molecules*, 7(5), 2017: 1099 – 1120, [ICI, Thomson Reuters, Research Gate, Google Scholar, Infobase index, ACS chemistry for life, Science Central, Copernicus, Scirus] **impact factor= 0.564, ISSN – 2277 – 1247, UGC LIST JOURNAL NO.21530,**
- 32. Guria S.** Alteration of testicular cytomorphology in albino rats in alloxan induced diabetes: A histological study. *J. Atoms and Molecules*, 7(5), 2017: 1133 – 1139. **CIF (2015): 4.569, GIF (2015): 0.564, SJIF (2012): 3.926 [ICI, Thomson Reuters, Research Gate, Google Scholar, Infobase index, ACS chemistry for life, Science Central, Copernicus, Scirus] impact factor= 0.564, J. Atoms and Molecules, 7(5), 2017: 1133 – 1139, UGC LIST JOURNAL NO.21530, ISSN – 2277 – 1247**
- 33. Guria, S., Chatterjee, A. (2017).** A Review on Complex Roles of Brain Macrophages/Microglia in Ischemic and Hemorrhagic Stroke Pathophysiology. *J. Atoms and Molecules*, 7(6): 1140 -1146, UGC LIST JOURNAL NO.21530, ISSN – 2277 – 1247
- 34. Guria S (2018).** Arsenic Induced Hepatotoxicity and Damage of Pancreatic Islets In Albino Rat: A Possible Role of Diabetes Mellitus. *International Journal of Current Advanced Research*, 07(1), 9159-9163. DOI: <http://dx.doi.org/10.24327/ijcar.2018.9163.1502>. **Impact Factor: SJIF: 5.995, [ICI, Thomson Reuters, Google Scholar], UGC LIST JOURNAL NO.43892, ISSN: O: 2319-6475, ISSN: P: 2319-6505**
- 35. Guria S (2018).** Alteration of Cytomorphology of Peritoneal Macrophages of Albino Rat Exposed to Mercuric Compound. *World Scientific News*. 92(2): 392-399, UGC journal no. 62921, EISSN 2392-2192
- 36. Guria S (2018).** Lead (Pb) Induces Paraptosis Like Cell Death in Hemocytes of *Lamellidens* Sp: A Preliminary Study *World Scientific News*. 94(2): 163-172, UGC journal no. 62921, EISSN 2392-2192
- 37. Guria S, Chatterjee A and Das M (2018).** 'Histological Changes of Endocrine Section of Pancreas and Liver in Streptozotocin-Induced Experimental Diabetes Mellitus', *International Journal of Current Advanced Research*, 07(4), 11849-11852. DOI: <http://dx.doi.org/10.24327/ijcar.2018.11852.2066> **Impact Factor: SJIF: 6.16 [ICI, Thomson Reuters, Google Scholar] UGC LIST JOURNAL NO.43892, ISSN: O: 2319-6475, ISSN: P: 2319-6505**
- 38. Guria S and Chatterjee S (2019).** Study on Different Types of Haemocytes and Their Behaviour in Insects (Orthoptera) Collected from Navegaon and Tadoba National Park and Its Adjoining Areas. *Int J Pharm Biol Sci*. 9 (3): 789-794. DOI: <https://doi.org/10.21276/ijpbs.2019.9.3.100>. **Impact Factor: 0.88 [MCI Approved, UGC Approved Journal Google Scholar] UGC journal no. 46322, Online ISSN: 2230-7605, Print ISSN: 2321-3272**

- 39. Chatterjee S and Guria S (2019).** Macrophages in Diabetes Mellitus: A Review on Understanding of Macrophage Function. *WSN* 134(2), 319-325. peer reviewed indexed. **UGC journal no. 62921, EISSN 2392-2192**
- 40. Guria S (2020).** Metal Induced Risk of Diabetes Mellitus Due to Toxicological Effects of Mercury: Influence of Environmental Threats. *Current World Environment*, 15 (3): 470-476. Doi: <http://dx.doi.org/10.12944/CWE.15.3.11>, **UGC-CARE List-89, WOS master listed, ISSN: 0973-4929, Online ISSN: 2320-8031**
- 41. Guria S (2020).** Threats Of Arsenic On Morphological Shift Of Hemocytes Of Molluscs: A Hint Towards Arsenic-Induced Cell Death. *ROM. J. BIOL. – ZOOL*, 65(1–2): 99–106. **UGC-CARE List-342, 350, 369 WOS master listed, (ISSN 2248-3799), online (ISSN-L 1843-7761), abstracted/indexed in: Thomson Reuters Master Journal List**
- 42. Guria S (2020).** Streptozotocin (STZ)-Induced Diabetes Mellitus (DM) Promotes Alteration Of Peritoneal Macrophage Morphology and Behaviour. *Journal of Advanced Scientific Research*, 11 (3) Suppl 7: 59-63 **UGC-CARE List-200, 201, 209, ISSN: 0976-9595, Global Impact Factor 2015=0.567**
- 43. Guria S (2021).** Morphofunctional Analysis of Hemocytes in Insects (Orthoptera) Collected from Murti and Adjoining Areas (Dooars) and Different Agricultural Fields of North 24 Parganas, West Bengal. *Journal of Advanced Scientific Research*, 12(4) Suppl 1: 321-323. **UGC-CARE List-200, 201, 209, ISSN: 0976-9595**
- 44. Bankura B B, Pattanayak A K, Ghosh S, Guria S, Sinha A, Das M (2022).** Implication of KCNJ11 and TCF7L2 gene variants for the predisposition of type 2 diabetes mellitus in West Bengal, India. *Diabetes Epidemiology and Management*, Available online 22 February 2022, 100066. Doi: 10.1016/j.deman.2022.100066, **ISSN 2666-9706 | ScienceDirect.com by Elsevier**
- 45. Guria S (2023).** Hemocyte variations with emphasis to granulocytes and plasmatocytes in grasshoppers collected from the surrounding areas of Pench Tiger Reserve and Nagzira National Park. *Indian J. Applied & Pure Bio.* **38(3)**, 1220-1227. ISSN: 0970-2091. **UGC CARE list group II listed, A Web of Science Journal, Zoological Record**
- 46. Guria S (2023).** Effect of lead (Pb) toxicity on hemocytes of freshwater molluscs, *Bellamyia bengalensis* with emphasis to cell aggregation. *Indian J. Applied & Pure Bio.* **38(3)**, 1434-1440. ISSN: 0970-2091. **UGC CARE list group II listed, A Web of Science Journal, Zoological Record**
- 47. Guria S (2023).** A comprehensive approach to health assessment of fish population using head kidney derived macrophages (HKM) and macrophage aggregates (MA) from rohu (*Labeo rohita*) and tilapia (*Oreochromis sp.*): the potentially sensitive biomarkers of contaminant exposure and several environmental stressors. *Indian J. Applied & Pure Bio.* **38(3)**, 1502-1509. ISSN: 0970-2091. **UGC CARE list group II listed, A Web of Science Journal, Zoological Record**
- 48. Guria S, Middy O, Hossain A B and Saha D.** Assessment Of Inflammatory Cells In The Exudate Collected From Swim Bladder Of Rohu (*Labeo Rohita*). *Bull. Env.Pharmacol. Life Sci.*, Vol 12 [9] August 2023: 48-53, **Online ISSN 2277-1808, UGC CARE list group II listed, A Web of Science Journal, Zoological Record**
- 49. Guria S.** Study of Macrophages from Spleen of Tilapia (*Oreochromis Sp.*) to Evaluate Immune Mechanisms in Fish. *International Journal of Biology, Pharmacy and Allied Sciences*, 2024, 13(3): 1422-1429. ISSN:2277-4998, **UGC CARE list group II listed, A Web of Science Journal, Zoological Record, ISSN: 0970-2091**

**50. Guria S and Ali R (2024).** A mechanistic insight into the cytomorphology of liver macrophages in tilapia (*Oreochromis sp.*). *Indian J. Applied & Pure Bio.* Vol. 39(2), 665-670. **UGC CARE list group II listed, A Web of Science Journal, Zoological Record, ISSN: 0970-2091**

**51. Guria S (2024).** Study of peritoneal macrophages, liver macrophages (KC) and spleen cells (splenic macrophages) in streptozotocin (STZ) induced mice. *Indian J. Applied & Pure Bio.* Vol. 39(3), 1443-1452. **UGC CARE list group II listed, A Web of Science Journal, Zoological Record, ISSN: 0970-2091**

**52. Guria S and Ali R (2024).** Morpho-functional variations of hemocytes in edible mud crab (*Scylla sp.*) under exposure of toxic metals. *Indian J. Applied & Pure Bio.* Vol. 39(3), 1693-1702. **UGC CARE list group II listed, A Web of Science Journal, Zoological Record, ISSN: 0970-2091**

**53. Guria S, Das M, Chakraborty A, Dutta T (2025).** Effect Of Metal Pollutants on Hemocytes of Freshwater Molluscs, *Bellamyia bengalensis*: The Reliable Markers of Aquatic Pollution. *International Journal of Pharmacy and Biological Sciences*, 15 (2): 21-29. DOI: <https://doi.org/10.5281/zenodo.15289904>.  
**Online ISSN: 2230-7605, Print ISSN: 2321-3272**

### **Book Chapters published**

<b>Sl. No.</b>	<b>Title of article</b>	<b>Book title, editor &amp; publisher with year</b>	<b>ISSN/ISBN No.</b>	<b>Whether peer reviewed</b>	<b>No. of Co author</b>	<b>Whether you are the main author</b>
1	“Viability Assay of Rat Peritoneal Macrophages By Arsenic Trioxide (ATO): The Possible Future Prospects of Nanomedicine Delivering Arsenic Trioxide (ATO) For Disease Therapy” <b>Page 1 -5</b>  Srikanta Guria, Ohidul Middy, Debrina Saha, Asik Billa Hossain and Samar Chattopadhyay	Advances in Science and Technology Volume II Bhumi publishing house , April, 2023.	(ISBN: 978-93-88901-41-3)	peer reviewed	4	Main author
2	“Characterization and Assessing of Phagocytosis Study of Hemocytes In Insects (Orthoptera) Collected From Murti and Adjacent Areas (Dooars), West Bengal: A Possible Biomarkers of Health of Insects And Environmental Pollution Research” <b>Page 57-61</b> Srikanta Guria	Frontiers in Life Science Volume X Bhumi publishing house , April, 2023.	(ISBN: 978-93-88901-35-2)	peer reviewed	0	Main author
3	Alteration of hemocyte-mediated cell assemblage and aggregation due to pyknosis by exposure of arsenic and mercury may affect “encapsulation response” in edible mud crab ( <i>Scylla sp.</i> ) <b>Page 122 – 127</b> Srikanta Guria and Rahit Ali	Research in Biomedical, Healthcare and Pharmaceutical Science, Vol 1, Bhumi publishing house, September, 2023	(ISBN: 978-93-88901-88-8)	peer reviewed	1	Main author
4	Study Of Hemocytes Of Grasshoppers Collected From The Surrounding Areas Of Jaldapara Forest And Rajabhatkhawa In Comparison With Other Areas	Research and Reviews in Microbiology Volume I Bhumi publishing house, April, 2024	(ISBN: 978-93-95847-09-4)	peer reviewed	1	Main author

	Srikanta Guria and Rahit Ali Page- 51 – 57					
5	“Aggregation, Infiltration of Kidney Cells (Macrophages) and Progression of Renal Injury in Diabetic Mice”	“Trends in Life Science Research” Acceptance of Book Chapter (Bhumi Publishing, India) dt. Dec 26, 2024 Published 7 th January, 2025	(ISBN: 978-93-95847-10-0)	peer reviewed	3	Main author

## B) Conference Proceedings:

### Full papers in Conference Proceedings

Sl. No.	Title with page no.	Details of Conference Publication	ISSN/ ISBN No.	No. of Co author	Whether you are the main author
1	Cell Death and DNA Damage in Peritoneal Macrophages of Rat Exposed To Cadmium Chloride. Proceedings of Biodiversity: Interrelationship between Flora, Fauna and Human. P144-149	Mrinalini Datta Mahavidyapith in UGC-Sponsored National Conference on Biodiversity: Interrelationship between Flora, Fauna and Human.	ISBN No. 978-81-929-410-0-4	5	main author
2	Thyroid Peroxidase ( <i>TPO</i> ) Gene Mutation in Patients with Congenital Hypothyroidism. Proc/Natl/ UGC-Seminar/Zoo/ Srikanta Guria-Biswabandhu Bankura-Subhankar Chowdhury-Madhusudan Das P 32-36	UGC Sponsored National-level Seminar On “Cutting Edge Technologies & Frontier Areas of Research in Zoology”, Organized by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara	NA	3	main author
3	SNPs are Powerful Genetic Markers for The Detection of Human Diseases  Proceedings of Perspectives in Animal Sciences: Research and Application  Srikanta Guria*, Arup Kumar Pattanayak, Biswabandhu Bankura, Subhankar Chowdhury and Madhusudan Das	Department of Zoology Midnapore College (Autonomous) UGC-sponsored National Seminar on "Perspectives in Animal Sciences: Research and Application”	NA	4	main author
4	Hemocytes: Effective Bio-Indicator for Environmental Threats Published in Proceedings on Animal Research Today: Basic and Applied Arena Srikanta Guria*, Susraba Chatterjee, Soumya Das, Kritika Chatterjee and Ritishi Ghosh P 23-27	Department of Zoology, Midnapore College (Autonomous) sponsored by RUSA 2.0 (Component 8) (MHRD, Govt of India) National level seminar	ISBN-978-93-89209-60-0	13 <sup>th</sup> and 14 <sup>th</sup> March, 2020	main author

5	Metals in Islet Function: A Current Understanding of Pathogenesis in Diabetes  <u>Srikanta Guria</u> *, Susraba Chatterjee, Soumya Das, Kritika Chatterjee, Ritishi Ghosh and Anirban Chatterjee  P-33-39	National Conference on “Recent Development of Chemical Research being implemented in Biology and Medicine” Organized by- Department of Chemistry DBT SPONSORED Mugberia Gangadhar Mahavidyalaya	Paperback ISBN: 978-93-5574-019-9  eBook ISBN: 978-93-5574-029-8 Published by Walnut Publication, January 2022	2nd-3rd November, 2021	main author
6	Environmental Contaminants Influencing Morphology and Function of Chief Immune Effector Cells in Freshwater Molluscs: The Biomarkers of Health of Aquatic Ecosystem  Srikanta Guria*, Deb Shankha Goswami, Shahina Parveen, Nilabja Patranabish and Sujata De  P-181-187	Proceedings of the Annual National Conference on Sustainable Ecosystems, Aquaculture, Fisheries and Fisherfolk [ANCOSEAFF 2022] Publisher The Organizing Secretary Annual National Conference on Sustainable Ecosystems, Aquaculture, Fisheries and Fisherfolk ANCOSEAFF 2022 Department of Aquatic Biology and Fisheries, University of Kerala		28-29 January 2022	main author
7	Copper Toxicity Studies on Freshwater Snail <i>Bellamyia bengalensis</i> .  Srikanta Guria*, Monoj Das, Anindita Chakraborty & Tithi Dutta. Pg no. 12-22.	<i>Interdisciplinary Approach on Plants, Animal Science and Microbes</i> . Chapter 2. Bharti Publications. (full paper in proceeding for IAOPAM-2024/Botany/GGDC Lalgah, Lalgah, Binpur-1, Jhargram, 721516, W.B.)	ISBN: 978-93-48059-75-8	27. 12. 2024	main author

#### 14. Membership of Learned Societies/ Editorial Boards, etc.:

##### Membership of Learned Societies

Life member of Zoological Society, Kolkata, 35 Ballygunge Circular Road

##### Editorial Boards

1. Member of editorial board (Associate Editors) of the Proceedings of UGC sponsored National Seminar held on 19-20 Nov.2016, Reviewer Prof. Jerzy Borowski, Published On-line,03 May, 2017, WSN Volume 71 (2017), pp. 1-228, ISBN 978-83-947896-2-6
2. Member of editorial board of journal, Aureole: 2019-20
3. Editorial Board member of ZOOLOGICA, Department of Zoology, Barasat Government College, Annual Magazine Published on 2020-21, 2021-22, 2022-23 and 2023-24
4. ‘Editor’ for the book entitled, “Research Trends in Life Science Volume II (ISBN: 978-93-88901-90-1)” published by Bhumi publishing house in September, 2023.
5. ‘Editor’ for the book entitled, Research and Reviews in Animal Science Volume IV (ISBN: 978-93-95847-34-6) published by Bhumi publishing house in April 2024.

##### 15. Patents: NIL

## 16. Awards:

Sl. No.	Awards/ Honours
1	Stood in 2 <sup>nd</sup> position in wildlife photography competition at workshop entitled "Wild Encounters: The Art and Ethics of Wildlife Photography" organized by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College (Autonomous), in association with Nature Mates-Nature Club & with the equipment partner Nikon on 29 March, 2025
2	Outstanding Paper Presentation Award at Virtual National Conference On "IMPACT OF GREEN TECHNOLOGIES IN LIFE SCIENCES-GTLS'24" By Department of Biochemistry & Department of Biotechnology, Seethalakshmi Ramaswami College, Tiruchirappalli, Date: 27.12.2024
3	Award for one of the best oral presentation at International Virtual Conference on Exploring the Frontiers of Life Sciences: Interdisciplinary Perspectives (EFLS' 24), on December 23, 2024, organized by the Department of Botany, Seethalakshmi Ramaswami College, Tiruchirappalli
4	Best poster presentation award for poster presentation at National Seminar 2023 On "Chemistry in Biology" organized by The Department of Chemistry, Shri Shikshayatan College in collaboration with Indian Photobiology Society, dt.19th Dec. 2023
5	Secured 1 <sup>st</sup> position in oral presentation in Two-day National Seminar on Recent Trends in Biochemistry and Molecular Biology, Organized by Department of Chemistry, Zoology and Microbiology in collaboration with IQAC, Rishi Bankim Chandra College, Naihati dt. 27-28th April, 2023
6	Secured 1 <sup>st</sup> position in competitive poster presentation in National level seminar on Global Warming & Biodiversity Conservation sponsored by West Bengal Biodiversity Board, organized by Dept. Of Zoology, Raja Peary Mohan College with SEBA on 2 <sup>nd</sup> August 2019
7	Best senior scientist award for oral presentation at 24 <sup>th</sup> All India Congress of Zoology & National Seminar on Biodiversity and Its Management for Food & Environmental Security & National Helminthological Congress at University of Kalyani on 24 <sup>th</sup> November 2013
8	Award for outstanding paper presentation at National Symposium on Man, Animal And Environment Interaction In The Perspective Of Modern Research on organized by, Department of Zoology, University of North Bengal on March 08-09, 2013

## 17. Other notable activities:

### **Krishnagar Government College**

Member: CAS committee, KGC

SPIO, RTI section, KGC

Member seminar organizing committee, KGC

Coordinator Add on course of Zoology, KGC

Member of IQAC, KGC

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Member of IQAC 21-22, 22-23, 23-24, 24-25 (Barasat Govt. College till 09.01.2025)

Nodal officer of college Vaccination programme, 7 and 8 October 2021 at Barasat Govt. College

Member: invitee member of PG Board of Studies, P.G. Dept. of Zoology, Barasat Govt. College (till 09.01.2025)

Convener criteria 3, NAAC (Barasat Govt. College)

Member: CAS committee 23-24, 24-25 (Barasat Govt. College) (till 09.01.2025)

Joint PG Exam Co-ordinator, PG Dept. of Zoology, Barasat Govt. College (from 2016 till 09.01.2025)

One of the organizing members of poster competition for awareness program of students on combating covid 19, fight against corona virus was conducted by Department of Zoology, Barasat Govt. College. Dt. 12-06-2020

Member of Organizing committee of International Webinar on Surviving in a Covid World: Major Issues of India by

Barasat Govt. College on 3 rd September 2020

Member of Organizing committee of National webinar on Celebrating 100 years of Insulin Discovery: Advances and Opportunities in Diabetes Research on November 26, 2021.

Acted as one of the members of organizing committee of the Online Academic Seminar on Whole Genome Sequencing and Multi Locus Sequence Typing of the Clonal Isolates of Indian Kala-Azar and Para Kala-Azar Dermal Leishmaniasis Patients to celebrate World Neglected Tropical Diseases Day organized by PG Department of Zoology Barasat Government College, supported by: IQAC, BGC on 29 January 2022

Member of Organizing committee of National webinar on Academic Seminar & Poster Presentations on World Earth Day & International Immunology Day 2022, The Saga of CD1d on April, 30 2022 organized by: PG Department of Zoology, Barasat Government College Supported by: IQAC, BGC

Jt. Organizing secretary of seminar as an awareness program on World Zoonoses Day 2022, dt. August 23, 2022

Member of organizing committee of seminar on research methodology to celebrate world cancer day 23 held on 16.02.2023

Member of organizing committee of The academic seminar on research methodology related to field and laboratory environmental research, environmental sustainability on the occasion of World Environment Day on 16 June 2023

Organizing secretary of Seminar on Awareness for Prevention of Cancer & Thalassemia and First Aid Protocol in Sudden Heart Attack (CPR) on 8th December, 2023 organized by Post Graduate Department of Zoology, Barasat Govt. College, in association with Barasat Atmajan.

Nodal Officer of Zoology Departmental Lab visits for School students in connection with Comprehensive approach for vertical integration among Hub and Spoke Colleges and Schools for Higher Education through cluster approach on 18/12/2023.

One of the Judges of West Bengal State Students Sciences Fair, exhibition and competition (N 24 PGS District level) 23-24, dt. 22 and 24 January 2024

One of the Judges of District level students' seminar on Artificial intelligence organized by District Youth Office, N 24 Pgs.School students (class 8 to 10) dt. 13.8.2024

Member of organising committee of academic seminar on the occasion of World Wildlife Day & World Environment Day organized by Post Graduate Department of Zoology, Barasat Govt. College on 18 th June, 2024

Jt. Organizing secretary of Alumni Seminar Series Initiative 'Recent Trends in Life Sciences' On September 24, 2024 at Barasat Govt. College

Jt. Organizing secretary of Alumni Seminar Series Initiative on November 23, 2024 at Barasat Govt. College

### **Co-curricular, Extension and Professional Development Related Activities.**

<b>Type of Activity</b>	
<b>Extension, Co-curricular &amp; field based Activities</b>	Attended hands on workshop on molecular biology tools and techniques at RKMVC College on 28-29 May, 2025 with UG students (Ayan Acharyya – Zoology UG 6th Semester, Shreyoshi Mitra - Zoology UG 6th Semester, Rupa Nandi - Zoology UG 6th Semester, Sharmistha Munda - Zoology UG 6th Semester and Shayanti Chakroborty - Zoology UG 4th Semester)
	Excursion at Bethuadahari Wild Life Sanctuary, of Nadia District, West Bengal on 06.02.2025 from Krishnagar Govt. College with UG sem 3 students (Zoology MDC and Zoology Major)

a) Field Study/Ed. Tours/	Visited the central instrumentation facilities and some of the laboratories of Bose Institute (Unified Academic Campus), Plot-80, Block EN, College more, Sector- V. Saltlake, Kolkata-700091 with M.Sc. Students of Sem III (17; Special Paper- Parasitology and Immunology) on 18/12/24 from Barasat Govt. College
	Visited Infectious diseases and immunology lab of Dr. Debanjan Mukhopadhyay from Presidency University, New town, Kolkata campus with our M.Sc. students on 24.05.2024 (number= 14) from Barasat Govt. College
	Visited Jaldapara, Buxa and Jayanti (Dooars) and adjoining areas (West Bengal) accompanying with CBCS Sem 5 Under Graduate students (number= 21) of The Department of Zoology from 29.11.2023 to 04.12.2023 for educational excursion from Barasat Govt. College
	Visited to Immunology Research lab and Genetics lab of Dept. of Zoology, Calcutta University, Ballygunge circular road on 26 <sup>th</sup> April, 2023 with M.Sc. Sem IV Parasitology and Immunology Special paper students. Total no=14 from Barasat Govt. College
	Visited to Research labs of Vivekananda Institute of Biotechnology, Nimpith Ramkrishna Asram on 10 <sup>th</sup> April, 2023 with M.Sc. Sem IV students (number=24) from Barasat Govt. College
	Educational excursion and field study to Pench (MP) and Nagzira (Maharashtra) with students of the Post Graduate Department of Zoology (number=26) of Barasat Govt. College from 22.2.2023 to 27.2.2023 from Barasat Govt. College
	Educational excursion along with CBCS Sem 1 Under Graduate students (number=22) and 3 PG students to visit Bibhutibhusan Wildlife Sanctuary (formerly Parmadan Forest), North 24 Parganas district, WB, on 30.01.2023 from Barasat Govt. College
	Visited Murti, Gorumara National Park, Chapramari (Dooars) and adjoining areas (West Bengal), North Bengal Wild Animal Park (Bengal Safari), Salugara and adjoining areas (West Bengal) for an educational excursion along with CBCS Sem 3 and 5 Under Graduate students (number=49) of Department of Zoology, BGC from 09.11.2022 to 13.11.2022.
	Visited Institute of Genetic Engineering, BADU, Kolkata for study of Drosophila culture, handling with the students of the UG Sem 6 (Total No. 17) on 20.6.2022 from Barasat Govt. College
	Visited Science City, Kolkata with UG, PG students in connection with celebration of World Environment Day on 5 <sup>th</sup> June, 2022, to be held at Science City auditorium, Kolkata, by West Bengal Pollution Control Board from Barasat Govt. College
	Visited Chintamani Kar Bird Sanctuary, Narendrapur, Kolkata for field trip with the students of the PG 4 sem (Total No. 11) on 27 May, 2022 from Barasat Govt. College
	Lab visit to Dept. Of Clinical Immunology and Rheumatology of IPGMER, SSKM hospital with M.Sc. sem 4 students on 28.04.2022 from Barasat Govt. College
	Visited Science city, Kolkata for an educational excursion with the students of the B.Sc. 4 sem and 6 sem (Hons) CBCS Zoology (Total No. 32) on 25 March, 2022 from Barasat Govt. College
	Visited to Dooars and adjoining areas from 15.11.2019 to 19.11.2019 along with the CBCS Semester I (UG) students from Barasat Govt. College
Visited to Research lab of Dept. of Protozoology, Calcutta School of Tropical Medicine on 13 <sup>th</sup> April, 2019 with M.Sc. Sem IV Parasitology and Immunology Special paper students from Barasat Govt. College	
Educational tour to Zoological Garden, Kolkata on 28.1.2019, with B.Sc. 2 <sup>nd</sup> yr General students from Barasat Govt. College	

<b>Extension, Co-curricular &amp; field based Activities</b>  a) Field Study/Ed. Tours/	Educational excursion and field study to Navegaon National Park and Tadoba ( Maharashtra) with students of the Post Graduate Department of Zoology of Barasat Govt. College from 2.2.2019 to 7.2.2019
	Visited to Research lab of Dept. of Protozoology, Calcutta School of Tropical Medicine on 19 <sup>th</sup> May, 2018 with M.Sc. Sem IV Parasitology and Immunology Special paper students from Barasat Govt. College
	Educational tour to Zoological Garden, Kolkata on 23 <sup>rd</sup> February, 2018 with B.Sc. 2 <sup>nd</sup> yr General students from Barasat Govt. College
	Educational excursion and field study to Digha with students of the B.Sc. 1 <sup>st</sup> Hons of Department of Zoology of Barasat Govt. College from 29.11.2017 to 01.12.2017
	Visited to Research lab of Vivekananda Institute of Biotechnology, Nimpith Ramkrishna Asram on 16 <sup>th</sup> September, 2017 with M.Sc. Sem III Ecology Special paper students from Barasat Govt. College
	Visited to Research lab of Dept. of Protozoology, Calcutta School of Tropical Medicine on 13 <sup>th</sup> May, 2017 with M.Sc. Sem IV Parasitology and Immunology Special paper students from Barasat Govt. College
	Educational tour to Zoological Garden, Kolkata on 18 <sup>th</sup> February, 2017 with B.Sc. 2 <sup>nd</sup> yr General students from Barasat Govt. College
	Educational excursion and field study to Kuldeha Forest, Chandipur, Orissa with students of the B.Sc. 1 <sup>st</sup> Hons of Department of Zoology of Barasat Govt. College from 15.12.2016 to 18.12.2016 from Barasat Govt. College
	Educational tour to Zoological Garden, Kolkata and Indian Museum, Kolkata on 29 <sup>nd</sup> March, 2016 with B.Sc. 2 <sup>nd</sup> yr General students from Barasat Govt. College
	Academic excursion to CIFA [Central Institute of Freshwater Aquaculture (CIFA)], on 28.11.2015 with M.Sc. sem I students from Barasat Govt. College
	Visited to Research lab of Dept. of Zoology, WBSU on 8 <sup>th</sup> June, 2015 with M.Sc. Sem IV Parasitology and Immunology Special paper students from Barasat Govt. College
	Visited Buxa Tiger Reserve Forest and adjoining areas from 8.3.2015 to 12.3.2015 with the students of B.Sc. 1 <sup>st</sup> Year Hons. and B.Sc. 2 <sup>nd</sup> Year Hons of Department of Zoology of Barasat Govt. College
	Visited to Research lab of IPGME&R, Kolkata on 5 <sup>th</sup> July, 2014 with M.Sc. Sem IV Parasitology and Immunology Special paper students from Barasat Govt. College
	Educational tour to Zoological Garden, Kolkata and Indian Museum, Kolkata on 18.02.2015 with B.Sc. 2 <sup>nd</sup> yr General students from Barasat Govt. College
	Academic excursion to CIFRI and CIFA [central Inland Fisheries Research Institute (CIFRI) And Central Institute of Freshwater Aquaculture (CIFA)], on 23.12.2013 with M.Sc. sem I and III from Barasat Govt. College
	Educational tour to Zoological Garden, Kolkata and Indian Museum, Kolkata on 15.02.2014 from Barasat Govt. College
	Educational excursion and field study to Navegaon National Park and Nagjira Sanctuary (Maharashtra) with students of the B.Sc. 1 <sup>st</sup> Hons., B.Sc. 2 <sup>nd</sup> Hons and Ecology and Environmental Special paper students of Post Graduate Department of Zoology of Barasat Govt. College from 28.02.2014 to 05.03.2014.
Educational tour to rock garden , Darjeeling on 23.11.2010 with B.Sc 3H Zoo from Darjeeling Govt. College	
Field study on red panda at Padmaja Naidu Himalayan Zoological Park, Darjeeling on 25.7.2011 from Darjeeling Govt. College	

	Educational Excursion with MSc Sem III to visit Puri, Digha, Chilka, Gopalpur from 28.1.2011 to 7.2.2011 from Darjeeling Govt. College
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## 18. Participation in

### A) Seminars/Symposia/Conferences/Workshops: ANNEXURE I

#### ANNEXURE I

#### Papers presented in Conferences, Seminars, Workshops, Symposia

Sl. No	Title of the paper presented/talk/speech	Events like Conferences, Seminars, Workshops, Symposia, awareness program	Organized by	Date	Category
1	Use of fish macrophages as bioindicator for water quality and immunotoxicity assay. Srikanta Guria	Two-Day International Conference Bridging Worlds 2025: Exploring Sustainable Solutions through Diverse Disciplines	Vedanta College, Kolkata	21st June 2025	Oral Presentation
2	Environmental Pollutants and Risk of Diabetes Mellitus Srikanta Guria	Add on course entitled "Histology and Cell morphology: From Early Days to Current Perspective"	Dept. of Zoology, Krishnagar Government College	27 <sup>th</sup> May 2025	Speech in add on course
3	Given speech on the occasion of National Dengue Day Srikanta Guria	Awareness program	Dept. of Zoology, Krishnagar Government College	16 May 2025	Awareness speech
4	Given speech on the occasion of international day of forests and world water day Srikanta Guria	Awareness program	Krishnagar Government College	21 March 2025	Awareness speech
5	Hemocytes: The Promising Cellular Model and Reliable Tool to Obtain Information About Pollution <u>Srikanta Guria</u> <sup>1*</sup> , Monoj Das <sup>2</sup> , Anindita Chakraborty <sup>2</sup> , Tithi Dutta <sup>2</sup> and Rahit Ali <sup>2</sup>	2nd International Conference on "Innovations in Sustainable Drug Discovery & Development to Combat the Crisis of Antimicrobial Resistance"	Eminent College of Pharmaceutical Technology in association with Central Ayurveda Research Institute, Kolkata (CCRAS, Ministry of Ayush, Govt. of India) & Bioequivalence Study Centre, Jadavpur University,	28th February, 2025.	Oral Presentation
6	Delivered a lead talk on Metal Exposure and Risk of Diabetes Mellitus (online mode)	International Conference on "Emerging Trends and Innovations in Life sciences (ETILS)"	Research Department of Zoology Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli	05th February 2025	lead talk
7	"Hemocytes of Freshwater Snail <i>Bellamya Bengalensis</i> : A Useful Tool for Assessing Environmental Challenges". Srikanta Guria*, Monoj Das, Anindita Chakraborty and Tithi Dutta. Poster Number is PP-F-35.	International Conference ICBS-2025.	Surendranath College, Kolkata	3rd January, 2025	Poster Presentation

8	“Copper toxicity studies on freshwater snail <i>Bellamya bengalensis</i> ”	Interdisciplinary Approach on ‘Plant animal Science and Microbes’ (IAOPAM-2024) A 2-Day Conference -2024	The Department of Botany, GGDC Lalgarh, Jhargram	(20th - 21st December , 2024) Blended Mode	Online Oral Presentation
9	Kidney cells in streptozotocin (STZ) Induced diabetic mice	International Virtual Conference On "Exploring the Frontiers of lifesciences: Interdisciplinary Perspectives- EFLS' 2024"	Department of Botany, SeethalakshmiRamaswami College, Tiruchirappalli	23.12.2024	Online Oral Presentation
10	Environmental risk alters cell morphology and aggregation in freshwater gastropods	Virtual National Conference on “IMPACT OF GREEN TECHNOLOGIES IN LIFE SCIENCES- GTLS’24”	Department of Biochemistry & Department of Biotechnology, Seethalakshmi Ramaswami College , Tiruchirappalli	27.12.2024	Online Oral Presentation
11	COVID-19, climate change, wild life and the environment	Awareness Programme on Environment	The NSS Unit of Barasat Government College in collaboration with Environment Protection and Nature Cell	15.06.2024	Invited lecture
12	Artificial Intelligence (AI), CGM Biosensors and Diabetes Care  Rahit Ali and Srikanta Guria  Poster no-RS-GIS-AI-24-P68	ONE DAY NATIONAL LEVEL SATELLITE SYMPOSIUM ~ Contribution of Remote Sensing - Geographic Information System (RS-GIS) and Artificial Intelligence (AI) on opening new research sphere in Biological Sciences	Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah	22nd March 2024	Poster Presentation
13	Study of Peritoneal Macrophages, Liver Macrophages and Spleen Cells in Streptozotocin (STZ) Induced Mice  <u>Srikanta Guria</u> * and Rahit Ali	One Day International Seminar on Recent Advances in life Sciences	Organized by Department of zoology Sree ChaitanyaCollege, Habra	24.02.2024	Oral Presentation
14	Characterization of Hemocytes and Monitoring of Water Quality  <u>Srikanta Guria</u> * and Rahit Ali	InternationalConference “Green Bio-Merge 2024: International Conference On: Enhancing Health ThroughEnvironment,	Brainware University campus, Kolkata	February 22 to 24, 2024  OP date 22 Feb, 2024	Oral Presentation

		Biotechnology and Entrepreneurship”			
15	Comparison of aggregation of hemocytes of grasshoppers collected from adjoining areas of Jaldapara forest with other areas involving granulocyte cells and plasmatocytes  Srikanta Guria *	International Conference on Frontiers in Biological and Medical Sciences (FBMS'24) (ONLINE MODE)	Research Department of Zoology, Seethalakshmi Ramaswami College, Tiruchirappalli, Tamil Nadu	19 <sup>th</sup> & 20 <sup>th</sup> January 2024	Oral Presentation
16	Analysis of free macrophages, macrophage aggregates (MAs), melano-macrophage centres (MMCs) from liver and kidney of teleosts as key parameter of environmental pollutants  Srikanta Guria* and Rahit Ali	BIO-COLLOQ (An One Day Conference for the Multidisciplinary Biological Sciences)	Department of Zoology, Ramakrishna Mission Vivekananda Centenary College and Academy of Biodiversity Conservation, Kolkata	6th, January, 2024	Oral Presentation
17	Analysis of hemocytes of grasshoppers collected from the surrounding areas of Jaldapara forest in comparison to other areas: A useful tool for assessing environmental pollution  Srikanta Guria *	2 Days National Level Conference “Biodiversity and Bioprospecting” Mode: Blended	Organised by: Department of Botany, GGDC Lagarh, Jhargram, W.B. 721516	22-23 December, 2023	Oral Presentation
18	Observation of macrophages in liver of teleosts may be used as indicators of chemical pollutants  Srikanta Guria and Rahit Ali	One Day National Seminar 2023 On “Chemistry in Biology”	Department of Chemistry, Shri Shikshayatan College in collaboration with Indian Photobiology Society	19th Dec. 2023	Poster Presentation
19	Impairment of phagocytosis by hemocytes in decapod crustaceans (mud crab) exposed to metal pollutants due to cell pyknosis	National conference on Modern Approaches in Biological Sciences	Department of zoology Sree chaitanya college, Habra	10.10.2023	Poster Presentation
20	Effect of Arsenic and Mercury on Hemocyte-Mediated Cell Assemblage in Edible Mud Crab ( <i>Scylla</i> sp.)  Srikanta Guria * and Rahit Ali	BioNext 2023: 3rd International Conference on Translational Research towards attaining “Good Health & Well Being”.	School of Life Science and Biotechnology, Adamas University In collaboration with The Society of Biological Chemists (I), Kolkata Chapter & Microbiologists Society, India (MBSI)	4th - 6th October 2023	Oral Presentation

<b>21</b>	Phagocytic Cells Collected From Teleost Swim-Bladder May Be Important Indicators Of Fish Health Status BY <u>Srikanta Guria</u> *, Ohidul Middya, Asik Billa Hossain and Debrina Saha	International Seminar on Recent Developmental Trends in Biological Research	Organized by Department of Zoology & Botany, Acharya Prafulla Chandra College in Collaboration with IQAC of Acharya Prafulla Chandra College	15th July, 2023	Oral Presentation
<b>22</b>	Structural and functional analysis of hemocytes of grasshoppers collected from the surrounding areas of Pench Tiger Reserve and Nagzira National Park in comparison to other areas  <u>Srikanta Guria</u> *, Ohidul Middya, Asik Billa Hossain and Debrina Saha	Two-day National Seminar on Recent Trends in Biochemistry and Molecular Biology	Organized by Department of Chemistry, Zoology and Microbiology In collaboration with IQAC, Rishi Bankim Chandra College	27-28th April, 2023	Oral Presentation
<b>23</b>	Study of Macrophages in Teleosts  Srikanta Guria *, Ohidul Middya, Debrina Saha, and Asik Billa Hossain	State Level Seminar & poster presentation competition sponsored by Swami Vivekananda Research Centre (SVRC) on Selection or Elimination! – Which one does a Virus offer?	RKM Vidyamandira	12th April, 2023	Poster Presentation
<b>24</b>	Assessing the health of fish populations by analysis of head kidney derived macrophages from <i>Labeo rohita</i> and <i>Oreochromis sp</i>  <u>Srikanta Guria</u> , Debrina Saha, Ohidul Middya and Asik Billa Hossain	International Conference on Drug Discovery and Development for Infectious Diseases: Cutting-edge Research and Challenges	Eminent College of Pharmaceutical Technology Barasat, in association with Bioequivalence Study Centre Jadavpur University	3rd & 4th March, 2023	Oral Presentation
<b>25</b>	Resource Person and delivered a lecture on Value of Health Education in this Programme on 23 December 2022	Awareness Program	The NSS Unit of Barasat Government College	7 Day Special Camping Programme from 17-23 December 2022.	Invited Lecture

26	Macrophages from spleen of tilapia ( <i>Oreochromis Sp</i> ) may act as indicator to degraded environments  <u>Srikanta Guria</u> *, Debrina Saha <sup>1</sup> , Ohidul midhya and Asik Billa Hossain	International Conference on Research Trends, Strategies, and Technical Advancements in Biological and Biomedical Sciences for Sustainability (RTSTA'22) (Hybrid Mode)	Research Department of Zoology Seethalakshmi Ramaswami College, Tiruchirapalli, Tamilnadu	14 & 15.12.2022	Oral presentation by Google Meet
27	Morphological Study of Head Kidney Macrophages (HKM) And Macrophage Aggregates (MA) Of Tilapia ( <i>Oreochromis Sp</i> ) And Rohu ( <i>Labeo rohita</i> ): The Bioindicator to Several Environmental Stressors  <u>Srikanta Guria</u> *, Debrina Saha, Ohidul midhya and Asik Billa Hossain	International Conference on “Dual Missions of Research and Teaching: a Holistic View of Higher Education”	Organized by Research Cell and IQAC, Serampore College	December 5–7, 2022	Oral presentation
28	“COVID 19 Pandemic Lockdown, Online Learning and Poor Students in India: A Short Review”	National Assessment and Accreditation Council (NAAC) Sponsored Two Day State Level Online Workshop on “The Use of ICT enabled tools for Teaching, Learning and Evaluation in Higher Education Institutions”	Internal Quality Assurance Cell (IQAC), Durgapur Government College	May 07-08, 2022	Oral presentation by Google Meet
29	The Impact of COVID-19 on Mental Health of Children and Brain Development: A Short Review	International Web Based Conference On Emerging Issues Of The New Sars COV-2 Variant Omicron And Its Impact On Society, Economy And Culture	Alipurduar University	28-02-2022 and 01-03-2022	Oral presentation by Google Meet
30	Lead (Pb)-induced inhibition in aggregation and phagocytosis of hemocytes of freshwater molluscs, <i>Bellamya bengalensis</i> may act as markers of aquatic biomonitoring approach  Srikanta Guria	National Webinar on Surviving The Pandemic Through Aquaculture: The Kerala Experience	Dept. of Aquatic Biology and Fisheries Supported by University of Kerala	24th and 25th February, 2022	Oral presentation by Google Meet
31	Environmental Contaminants Influencing Morphology and Function of Chief Immune Effector Cells in Freshwater Molluscs: The	Annual National Conference on Sustainable Ecosystems, Aquaculture,	Department of Aquatic Biology and Fisheries, University of Kerala	28 - 29 January 2022	Oral presentation by zoom

	Biomarkers of Health of Aquatic Ecosystem <u>Srikanta Guria</u> , Deb Shankha Goswami, Shahina Parveen, Nilabja Patranabish and Sujata De	Fisheries and Fisherfolk [ANCOSEAFF 2022]			
32	Peritoneal Macrophage at the Crossroads of Diabetes Mellitus and Thyroid Dysfunction: A Short Report  S. Guria	International Conference on “Integrated Approaches towards Sustainable Management of Environment for Safe Food, Nutrition and Improved Health”	Department of Ecological Studies and International Centre for Ecological Engineering & Department of Food and Nutrition University of Kalyani in collaboration with Kochi University (Japan), Institute of Hydrobiology of the NAS of Ukraine (Ukraine), Universiti Sains Malaysia (Malaysia) and Hanoi University (Vietnam)	December 15 to 17, 2021	Oral presentation by Google Meet
33	Title/ abstract: Spectrum of Thyroid Dysfunction and Its Consequences	International Conference on ‘Mechanistic and Therapeutic Approaches in Human and Animal Health’	Department of Zoology, Cooch Behar Panchanan Barma University, West Bengal	7th December , 2021	Oral presentation by Google Meet
34	Metals in Islet Function: A Current Understanding of Pathogenesis in Diabetes <u>Srikanta Guria</u> *, Susraba Chatterjee, Soumya Das, Kritika Chatterjee, Ritishi Ghosh and Anirban Chatterjee	Two-Day Virtual National Conference on “Recent Development of Chemical Research being implemented in Biology and Medicine” held on	Organized by- Department of Chemistry DBT SPONSORED Mugberia Gangadhar Mahavidyalaya	2nd-3rd November, 2021.	Oral presentation by ZOOM
35	Pulmonary Risk of Arsenic Poisoning: An Insight of Environmental Pollution	An interdisciplinary international web-seminar on modern trends on humanities, science & technology and social sciences for sustainable development	Acharya Prafulla Chandra Roy Government College, Siliguri and UGC-HRDC-NBU	24 <sup>th</sup> September, 2021	Oral presentation by Google Meet
36	“Lockdown Hits Rural Poor Students Hard: A Report.”	International	International Multidisciplinary Webinar on “Impact of COVID 19 on Higher Education System”	7 August, 2021	Oral presentation by Google Meet
37	The Ecological Consequences of Environmental Pollutants and Risk of Diabetes Mellitus	International Webinar on Ecology, Restoration and Management	International Academy of Science and Research (IASR),	13 June, 2021	Oral presentation

	Srikanta Guria		Kolkata; Barrackpore Rastraguru Surendranath College, West Bengal and Scientific and Environmental Research Institute (SERI), West Bengal		by Google Meet
<b>38</b>	COVID-19 Lockdown and Behavior of Birds: A Short Review	International Interdisciplinary Conference on “COVID 19: Challenges and Impact on Health, Environment, Livelihood and Education”	Scientific and Environmental Research Institute (SERI) Kolkata, IBRF, CIU and Govt. Degree (P.G) College, Bhadarwah, Jammu and Kashmir	29 May, 2021	Oral presentation by Google Meet
<b>39</b>	Hemocytes: The Unique Tool for the Testing of the Toxicity of Environmental Pollutants	“New Challenges and Dimensions on Ecology and Environment”	International Academy of Science and Research (IASR), Kolkata Vasantdada Patil Arts, Commerce and Science College, Patoda, Maharashtra Govt. Kamla Raja Girls Post Graduate (Autonomous) College, Gwalior, Madhya Pradesh Scientific and Environmental Research Institute (SERI), Kolkata	03 April, 2021	Oral presentation by Google Meet
<b>40</b>	The Novel Coronavirus Disease (COVID-19) Lockdown and Improvement in Water Quality of River Ganga: A Short Report	International Webinar on Biodiversity and Sustainable Development in Human Welfare Phase II	IQAC Bijoy Krishna Girls’ College, Howrah	19.08.20 20	Oral presentation by Google Meet
<b>41</b>	Covid-19 Lockdown Effect: Industrial Waste & Environmental Impact	Two-Day International Webinar on Impact of Covid-19 Pandemic and Lockdown on Industry, Trade and Commerce	Victoria Institution (College) with IQAC & Kishore Bharati Bhagini Nivedita College (Co-Ed) with IQAC	31/08/20	Oral presentation by Google Meet

42	Covid-19 Lockdown: migrant workers, effects on agricultural sector & wildlife	Two-Day International Webinar on Impact of Covid-19 Pandemic and Lockdown on Industry, Trade and Commerce International Webinar	Victoria Institution (College) with IQAC & Kishore Bharati Bhagini Nivedita College (Co-Ed) with IQAC	30/08/20	Oral presentation by Google Meet
43	Hemocytes: Effective Bio-Indicator for Environmental Threats	National level seminar on Animal Research Today: Basic and Applied Arena	Department of Zoology, Midnapore College (Autonomous) sponsored by RUSA 2.0 (Component 8) (MHRD, Govt of India)	13 <sup>th</sup> and 14 <sup>th</sup> March, 2020	Oral presentation
44	Invertebrate Hemocytes as Bio-indicator for Environmental Hazards Indicating 'Planetary Crisis'  Srikanta Guria	international Conference of 'WORLD THINKERS' AND WRITERS' PEACE MEET', 2019 On the Central Theme 'Planetary Crisis and Human Liberation'	Ramakrishna Mission Vivekananda Centenary College and ISISAR	December 29, 2019	Oral presentation
45	Global Warming May Influence Threats of Environmental Pollutants on Morpho-Functional Diversity of Invertebrate Hemocytes Srikanta Guria *	National level seminar on Global Warming & Biodiversity Conservation	Dept. Of Zoology, Raja Peary Mohan College with SEBA	2 <sup>nd</sup> August 2019	Poster presentation
46	Effect of Pollutants on Death Profile of Invertebrate Defensive Cells (Hemocytes)	National Conference On Future India: Science And Technology	City College, Kolkata and Indian Science Congress Association, Kolkata Chapter	27-28 February, 2019	Oral presentation
47	Alteration of Histological Changes of Pancreas and Liver in Streptozotocin (STZ)-Induced Experimental Diabetes Mellitus	International Seminar on Recent Trends in Science Towards Sustainable Development	Acharya Prafulla Chandra College New Barrackpore, Kolkata-700131 In collaboration with Indian Chemical Society	06 <sup>th</sup> -07 <sup>th</sup> August, 2018	Poster presentation
48	Effect of Environmental Pollutants like Arsenic and Lead on Death Profile of Invertebrate Hemocytes	International Seminar on Recent Trends in Science Towards Sustainable Development	Acharya Prafulla Chandra College New Barrackpore, Kolkata-700131 In collaboration with Indian Chemical Society	06 <sup>th</sup> -07 <sup>th</sup> August, 2018	Poster presentation
49	Analysis of Thyroid Peroxidase (TPO) Gene Mutation in Patients with Congenital Hypothyroidism: An Indication of Genetic Factor Controlling Child Health Problem	International Symposium On Child Welfare: A Global Perspective	Dept. of Zoology Charuchandra college	4 th January 2018	Poster presentation

<b>50</b>	Exposure of Arsenic and Lead induces Apoptosis, Necrosis and Paraptosis like Cell Death in Invertebrate Hemocytes	National Conference Zoo Con 2017: Animal Science in 21st Century	Department of Zoology, University of North Bengal	Feb 11-12, 2017	Oral Presentation
<b>51</b>	Threats of Arsenic and Lead on Morpho-Functional Shift of Invertebrate Immunocytes: A Short Report [ISBN:978-93-82094-13-5]	International seminar on recent trends in microbiology	Dept. Of Microbiology, Ramkrishna Mission Vidyamandira, Belur Math, Howrah, WB	14.01.2017	Poster Presentation
<b>52</b>	Study of genetic predisposition for hypothyroidism as well as type 2 diabetes mellitus (T2DM)	National symposium on molecular aspect of human diseases	Dept. Of Physiology, Serampore college	19 March, 2016	Poster Presentation
<b>53</b>	SNP analysis for hypothyroidism and type 2 diabetes mellitus (T2DM) in the patients of West Bengal	Consortium for an integrated research on molecular medicine: Search for novel biopharmaceuticals from natural resources of West Bengal (CIRMM, WBSU)	Department of Zoology, West Bengal State University	25 <sup>th</sup> and 26 <sup>th</sup> February, 2016	Oral Presentation
<b>54</b>	SNPs are powerful genetic markers for the detection of human diseases	UGC-sponsored National Seminar on "Perspectives in Animal Sciences: Research and Application"	Department of Zoology, Midnapore College	23rd and 24th November, 2015	Poster Presentation
<b>55</b>	Assessment of Gene Polymorphism/Mutation in Hypothyroidism and Type 2 Diabetes Mellitus in West Bengal	National seminar on mol aspect of human diseases	Department of Zoology, University of Calcutta	31st. January, 2015	Poster Presentation
<b>56</b>	Alteration of Cytomorphology of Mice Peritoneal Macrophages, Splenocytes and Histological Analysis of Liver and Pancreas under Eltroxin Induced Condition	National conference on env. issues	Foundation For Science & Environment, Kolkata in association with Scientific & Environmental Research Institute, kolkata	10 <sup>th</sup> August, 2014	Poster Presentation
<b>57</b>	Assessment of Thyroid Peroxidase ( <i>Tpo</i> ) Gene Polymorphism in Hypothyroid Patients	National seminar on biodiversity and its management.....securi	Department of Zoology, University of Kalyani	24 <sup>th</sup> November 2013	Oral Presentation
<b>58</b>	Cell Death and DNA Damage in Peritoneal Macrophages of Rat Exposed To Cadmium Chloride	National conference on biodiversity	Mrinalini Datta Mahavidyapith in UGC-Sponsored National Conference	30 <sup>th</sup> September, 2013	Oral Presentation

59	Thyroid Peroxidase (TPO) Gene Mutation in Patients with Congenital Hypothyroidism	National seminar on cutting edge.....research in zoology	Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara	September 07, 2013	Oral Presentation
60	Chronicles of a silent death of rat peritoneal macrophage in thyroid dysfunction: A comprehensive approximation	National symposium on man, animal and env.....modern research	Department of Zoology, University of North Bengal.	March 08-09, 2013	Oral Presentation
61	Mutation screening of the thyroid peroxidase (TPO) gene in hypothyroid patients of West Bengal.	National conference on emerging.....biochemistry	National Conference, Department of Zoology, Banaras Hindu University, Varanasi.	February 4 – 5, 2013	Oral Presentation
62	Thyroid peroxidase (TPO) gene mutation in patients with hypothyroidism in the population of West Bengal	State level seminar on biodiversity and society	Dept. of Zoology. Tamralipta Mahavidyalaya, Tamluk-721636, Purba Medinipur	25 Jan 2012	Oral Presentation
63	Thyroid dysfunction and its effect on different organs in rat	National seminar on faunal diversity	Department of Zoology, University of Calcutta	16th. February, 2008	Poster Presentation
64	Thyroid Peroxidase (TPO) Gene polymorphism and its relation with thyroid deregulation	National seminar on faunal diversity	Department of Zoology, University of Calcutta	16th. February, 2008	Poster Presentation

**2024-25 (July-June)**

**Webinar / seminar/ conferences/ workshops/FDP attended**

<b>Name of the seminar/webinar / online seminar/ online conferences/ online workshops Course</b>	<b>Organized by</b>	<b>Date/ Duration</b>
Seminar on “From Pathogens To Pandemics”	Organized by the Department of Zoology and Iqac, Sarojini Naidu College For Women	July 6, 2024
One Week National Level Online Faculty Development Programme on “Technology Integration in Learning and Teaching”	Internal Quality Assurance Cell, Seethalakshmi Ramaswami College, Tiruchirappalli	19.08.2024 to 24.08.2024
International Lecture Series on Eco-resilience and Sustainable Strategies (online)	Department of Environmental Studies, Rabindra Bharati University – Centre for Distance and Online Education	19th-23th August 2024

Resource Person and delivering lecture	Guidance Session on Career Prospects after Graduation for the Zoology (Hons. / Hons. with Research) Students Placement and Service Matters Cell and Department of Zoology of BGC	27.08.2024
International Seminar On Recent Advances In Aquaculture Techniques	V.O. Chidambaram College, Pg & Research Department Of Zoology	04.09.2024
Seven Days Virtual National Faculty Development Program (FDP) Exploring New Frontiers in Microbiology (ENFIM-2024)	V.O. Chidambaram College, PG & Research Department of Zoology	02.09.2024 to 10.09.2024
One Day online workshop on “Birds as Mental Health Therapy”	Centre for Tropical Biodiversity Conservation (CTBC)	September 14, 2024
Guest Speaker on the topic of Virus and immunity on the occasion of Science Fest- SUSTAINNOVATION 2024” for celebrating Science week from 24th September 2024 to 30th September 2024.	Douglas Memorial Higher Secondary School, Barrackpore	27 <sup>th</sup> September 2024
One Week National Level Online Faculty Development Programme on “ <i>Optimizing Research Strategies Towards Academic Productivity</i> ”	General Library and the Department of Hospital Administration, Seethalakshmi Ramaswami College, Tiruchirappalli - 620 002	23.09.2024 - 28.09.2024
National-Level One-Week Online Faculty Development Programme on “Indian Knowledge System (IKS)”	Internal Quality Assurance Cell and Centre for Ethics and Human Values, Seethalakshmi Ramaswami College, Tiruchirappalli-620 002	25.11.2024 to 30.11.2024.
chaired a session of oral presentation (online mode) in International Conference on “Emerging Trends and Innovations in Life sciences (ETILS)”	Research Department of Zoology Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli	05th February 2025
“Bird & Butterfly Watching Workshop” at Rabindra Sarobar Lake, Kolkata	conducted by the Centre for Tropical Biodiversity Conservation (CTBC)	9th February 2025
One Day Lecture Workshop on Techniques, Applications and Future Prospects of Metagenomics and Aquaculture Engineering in Advance Research	Organized by: Shrimp Genomics and Disease Biotechnology Laboratory, Ramakrishna Mission Vivekananda Centenary college	20th February, 2025
SJU Biochemistry, International Webinar, Lecture series on Recent Advances In BioChemistry	Department of Biochemistry, St Joseph's University, Bengaluru.	Feb 28-Mar 02, 2025
Workshop entitled "Wild Encounters: The Art and Ethics of Wildlife Photography"	Department of Zoology, Ramakrishna Mission Vivekananda Centenary College (Autonomous), in association with Nature Mates-Nature Club & with the equipment partner Nikon	29 March, 2025

Hands On Training on Fast Protein Liquid Chromatography (FPLC) at Adamas University, Barasat	6203 Phage biology and AMR lab, Adamas University, Barasat	22-23 May, 2025
Hands-On Workshop on "Molecular Biology Tools & Techniques"	Shrimp Genomics and Disease Biotechnology Lab (SGDBL), Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara, Kol-118	28-29th May 2025
One day State level Webinar on "Biodegradable Waste Separation Management"	Department of Zoology, Santipur College,	27th June 2025 through an online platform.

## 2023-24 (July-June)

### Webinar / seminar/ conferences/ workshops attended

Name of the seminar/webinar / online seminar/ online conferences/ online workshops Course	Organized by	Date/ Duration
International webinar on Epi genomic reprogramming, human health and artificial intelligence	GGDC largarh, Jhargram, WB	5 th August 2023,
Invited lecture on Dengue Awareness and Prevention at Barasat Girls High School	Students Support and Welfare Cell, Barasat Government College	11.10.23
Invited lecture in Value Added Course entitled 'The Importance of Yoga & it's Association with the Physical, Mental and Emotional Health of an individual ' Session 1, lecture title -Yoga Effects on Brain Health, Behavior and Anxiety session 2, lecture title- Yoga Can Cut Risk of Cancer	Morning Section (MDC), BGC	20 <sup>th</sup> November 2023 from 10 AM to 11.30 AM and 12 PM to 2PM
International Virtual Faculty Development Programme On Current Trends In Life Sciences (CTLS'23)	Research Department of Zoology, Seethalakshmi Ramaswami College (Autonomous) Affiliated To Bharathidasan University, Tiruchirappalli	27.11.2023 – 03.12.2023
Delivered Talk on Career Options in Life Sciences	Organized by Barasat Government College in connection with Comprehensive approach for vertical integration among Hub and Spoke Colleges and Schools for Higher Education through cluster approach for the school students on the event of Career Counselling Sessions and Visit to Laboratories and Library.	18/12/2023
Interactive Workshop NEP 2020	WBSU, Dept. Of Zoology	20 December 2023

2 Days National Level Conference “Biodiversity and Bioprospecting” Mode: Blended	Organised by: Department of Botany, GGDC Lagarh, Jhargram, W.B. 721516	22-23 December, 2023
Invited lecture on Career Opportunities in Biological Sciences: A global perspective. & Awareness on Health in Relation to Pollution, Cigarette Smoking and Arsenic Toxicity	Barasat Government College during Students’ Week Programme (2nd January - 8th January 2024) (Vide G.O. No. 03/Admn/83/M&D/PBSSM dated 19/12/2023)	3rd January, 2024
FDP on NEP Sensitization Programme	MMTTC, Jadavpur University	08.01.2024 - 19.01.2024
Invited lecture on Study of Peritoneal Macrophages, Liver Macrophages and Spleen Cells in Streptozotocin (STZ) Induced Mice at One Day International Seminar on Recent Advances in life Sciences	Department of zoology Sree Chaitanya College, Habra	24.02.2024
ONE DAY NATIONAL LEVEL SATELLITE SYMPOSIUM ~ Contribution of Remote Sensing - Geographic Information System (RS-GIS) and Artificial Intelligence (AI) on opening new research sphere in Biological Sciences	Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah	22nd March 2024
One-day online course on Ornithology “Feathered Fantasies - Urban Aviaries: Unveiling the Fascinating Lives of City Birds”	Centre for Tropical Biodiversity Conservation (CTBC)	5th May 2024
Invited lecture in Awareness Programme on Environment on the topic COVID-19, climate change, wild life and the environment	The NSS Unit of Barasat Government College in collaboration with Environment Protection and Nature Cell of Barasat Govt. College will observe World Environment Day	15.06.2024

## 2022-23 (July-June)

### Webinar / seminar/ conferences/ workshops attended

Name of the seminar/webinar / online seminar/ online conferences/ online workshops Course	Organized by	Date/ Duration
“International vulture Awareness Day 2022” in theme “Let Us Listen To The Story of The Return of The Vulture” Resource Person: Mr.S. Bharathidasan, Co-Founder & Secretary, Arulagam-NGO, Coimbatore.	Nature Club of Rajapalayam Rajus’ College	12 th August, 2022
National Level webinar on "NEP-2020 Changing Role of Teachers"	Bhavans Vivekananda College of Science, Humanities and Commerce	10th September,2022

4 days Online Lecture Series on “Biosciences”	Centre for Ocean Research jointly with Department of Biotechnology, Sathyabama Institute of Science and Technology in association with Ministry of Earth Sciences – Earth Science Technology Cell (MoES - ESTC)	16th - 19th August 2022.
Invited lecture as Resource Person to deliver a lecture on Value of Health Education in this Programme on Awareness Program	NSS Unit of Barasat Government College 7 Day Special Camping Programme from 17-23 December 2022.	23 December 2022
Workshop on discussion on NEP 2020	Barasat College	25.05.2023
Webinar on "Celebration of World Environment Day-2023". Balaknath Bhattacharyya, Coordinator of INTACH, Murshidabad Chapter and Retired Dy Manager (Finance) of DVC delivered the speech on birds at the lower basin of Ganga River and wetlands of Indian part near Bangladesh.	Botany Dept. of GGDC Lalgarh	24/06/2023

## 2021-2022 and 2020-21

### Webinar / online seminar/ virtual conferences/online workshops attended

Name of the webinar / online seminar/ online conferences/ online workshops Course	Organized by	Date/ Duration
International Webinar entitled “Living Amidst COVID-19: Issues and Concerns”	Acharya Brojendra Nath Seal College Cooch Behar, West Bengal-736101, India	18th July, 2020
National webinar on Impact of covid 19 upon the economy, polity... .....India	Acharya Brojendra Nath Seal College Cooch Behar, West Bengal-736101, India	29 August, 2020
National Webinar entitled “Promotion of College Teachers/Librarians under Career Advancement Scheme (CAS)”	IQAC, Alipurduar College	8th August, 2020
State Level Webinar entitled “Social Constraints In Pandemic Situation”	Department of Education and IQAC of Amdanga Jugal Kishore Mahavidyalaya, Amdanga, North 24 Parganas	18th July 2020
Covid19 Pandemic: Molecular Mechanisms and Therapeutics	Department. of Molecular Biology in collaboration with Internal Quality Assurance Cell, Acharya Prafulla Chandra College.	25 July, 2020
National Webinar on “Relevance and Scope of Animal Taxonomy In The Indian Context”	Department of Zoology, Sipajhar College in collaboration with Zoological Society of Assam (ZSA)	19th September, 2020 from 04:30 P.M. to 06:00 P.M.
National webinar on Cumulative Aquaculture Approaches: A Boon For Rural Assam	The Zoological Society of Assam	28th July, 2020

National Webinar on 'Combating Wildlife & Forest Crime in North East India During & Post Covid-19 Pandemic'	VIBGYOR N.E. FOUNDATION, ASSAM Supported by Department of Zoology & IQAC, Handique Girls' College, Guwahati	27th July, 2020
State level webinar on Wildlife as a career option: view of a Wildlife Biologist	Bangabasi College, Kolkata	10 Sep, 2020
State level webinar on The Politics of political society.....an introspection	Dept. of Pol Sc. Dinabandhu Mahavidyalaya and Basirhat college	8 July, 2020
International webinar on chemical and clinical prelude in pandemic situation	Dept of Chemistery and IQAC , Barasat Govt. College	18 July, 2020
International webinar On Ray Across Borders: Music and Memory	The Cultural Committee Barasat Government College, Barasat,	30th April, 2021 from 7.00 to 9.15 p.m.
National Webinar on Psycho spiritual symbiosis-a wellbeing tool for new normal	Barasat Government College	31 July, 2020
Webinar and panel discussion on Beyond the pandemic.....employability.	BARASAT GOVERNMENT COLLEGE Alumni Association	6 Sep, 2020
International Webinar on Surviving In a Covid World....India	Barasat Government College	3 Sep, 2020
Awareness Program on 'Cancer Prevention and Healthy Lifestyle	Barasat Government College and Sanjeevani Life Beyond Cancer	27 <sup>th</sup> Aug, 2020
State level webinar on An expedition to Antarctica	Bhairab Ganguly College, Kolkata	28 July, 2020
National Webinar on "Impact of Covid-19 Pandemic: Biodiversity and Sustainable Development"	Department of Zoology in collaboration with IQAC of Panskura Banamali College (Autonomous), Panskura RS, Purba Medinipur, West Bengal, India, and Zoological Society of India, Bodh Gaya, Bihar	24th September, 2020
One Day International Webinar 'CHEMSPARATION 2020'	Department of Chemistry, under the aegis of IQAC, Banwarilal Bhalotia College, Asansol, West Bengal,	30th July, 2020
State level Webinar on 'Journey to the Solar System and Beyond' held on	Bidhannagar College (Govt. of West Bengal) PG Department of Botany & Internal Quality Assurance Cell (IQAC)	21st August, 2020
National webinar on Promoting Innovation, Intellectual Property Rights and Start-Ups In Higher Education Institutions: Some Post-Covid Concerns	Institution's Innovation Council, Biswanath College Biswanath Chariali, Assam, 784176	05 August, 2020
International Webinar On BUSINESS AND INTERNATIONAL RELATIONS IN COVID ERA	Department Of Economics and IQAC, Bijoy Krishna Girls' College, Howrah	20th July, 2020 from 2.00PM to 4.30PM.
International Webinar on microbiology	BMS College for Women, Bengaluru	25 August, 2020
Science, biology and world's future	Dinabandhu Andrews college, kolkata	25 August 2020
National Webinar on "Cancer Genomics for Cancer-Free World	PG & Research Department of Zoology, Arulmigu Palaniandavar College of Arts & Culture, Palani and The Thavaram	08/11/2020

	Trust, Madurai	
State level Webinar on "Administrative Affairs Thrusting Upon Promotion of College Teachers / Librarians Under CAS"	Teachers' Council & IQAC, City College	11/07/2020
One Day State Level Online Seminar On "INTEGRATION OF OPEN ACCESS RESOURCES IN LIBRARY SERVICES"	Central Library and IQAC, Mahadevananda Mahavidyalaya Barrackpore, West Bengal, India	7th July, 2020
Webinar 2:covid 19: economy, polity and social media	IQAC, Bethune college, kolkata	19 June, 2020
National webinar on understanding the environment.....Sundarbans	Eminent College of Pharmaceutical Technology, Barasat, Kolkata	7 July, 2020
Webinar 3:covid 19: culture and combat	IQAC, Bethune College, Kolkata	26 June, 2020
Overview of covid 19 vaccine development	Dept of Zoology, IQAC, Bethune College, Kolkata	15 June ,2020
National webinar on Attempt to understand covid 19	Eminent College of Pharmaceutical Technology, Barasat, Kolkata	25 June, 2020
National webinar on Molecular aspect of disease.....cancer to covid 19	Eminent College Of Pharmaceutical Technology, Barasat, Kolkata	16 June, 2020
National Webinar on "Medicinal Plants Booster to Human Health in Present Scenario"	Department of Botany and Biotechnology of Sadhu Vaswani Autonomous College, Sant Hirdaram Nagar, Bhopal	15 July, 2020 Certificate page 71
National Webinar On "Frontiers of Biodiversity Conservation and Herbal Research"	Chaman Lal Mahavidhyalya, Landhaura, Haridwar (UK) (Department of Zoology & Botany) In collaboration with Botanical Survey of India, Kolkata (Ministry of Environment, Forest & Climate Change, India)	9th August 2020 Certificate page 158
National On-line Seminar on "COVID-19 Pandemic - Challenges and Conquest for Students"	Department of Chemistry and Department of Zoology and supported by IQAC, City College, Kolkata – 09.	26th June, 2020
National Webinar On biotechnology for human welfare	Charuchandra College, Kolkata	31 August 2020,
Webinar on "The Wonders of the Toothless Sea Giants- The Baleen Whales"	Marine Aquarium and Regional Centre, Zoological Survey of India, Digha, West Bengal	24 <sup>th</sup> July, 2020
National Level Webinar Digital Transformation in Higher Education	Asannagar Madan Mohan Tarkalankar College affiliated to the University of Kalyani	17th July, 2020
Webinar on "Effect of Climate Change in the Polar Region"	Department of Zoology in Association with IQAC of Dinabandhu Mahavidyalaya	14.07.2020
National Virtual Conference on Recent Advances in Biosciences	Department of Zoology , Sree Chaitanya College	08 June, 2020
National Level Online Seminar titled "Recent Trends in Health Issue"	Department of Zoology and IQAC, Mahadevananda Mahavidyalaya, in collaboration with the Department of Zoology, Rishi Bankim Chandra College	June 26, 2020.

One-day State Level Webinar on “Challenges and Strategies to Run Library Services of Educational Institutions during COVID-19”	Internal Quality Assurance Cell (IQAC) and Knowledge Resource Center (Library) Sree Chaitanya Mahavidyalaya, Habra, North 24 Pgs	18th June, 2020
International Webinar on “Scientific Approach to Stem Cell Therapy & Covid-19 Virus”	IQAC and Department of Zoology, R.B.C. College for Women.	1st July, 2020
National Level Webinar entitled "Bio-Psycho-Spiritual Disciplining: The Key to Well-being in the New-Normal"	IQAC in association with Department of Psychology, Surendranath College, Kolkata	17th June, 2020
National Level Webinar The great role of botanists....herbal medicine	Egra, SSB College	25 June, 2020
National Level Webinar on Current perspectives in chemical sciences	Bhatter college and Indian Chemical Society	21 July, 2020
International Webinar on Health issues....pandemic situation	IQAC, Dum Dum Motijheel College, Kolkata	22 Sep, 2020
International Webinar on Challenges and prospects of cancer therapeutics	Diamond Harbour Women’s University	29 Sep, 2020
National Level Webinar on Psychological and .....pandemic situation	IQAC, Dum Dum Motijheel College, Kolkata	22 August , 2020 11 am to 1.30 pm
Online orientation and awareness program on preventive measures and control of covid 19	NSS unit, Egra, SSB College	6 July, 2020
Certificate course for Virtual Classroom Teacher	Classle , SKILLNET	18 June, 2020
One Day National e-Seminar on "Homoeopathy & Mental Health"	Department of Physiology, Mahadevananda Mahavidyalaya, Barrackpore, West Bengal, India, in collaboration with Dr. Willmar Schwabe India Pvt. Ltd., Noida, Uttar Pradesh, India	18th July, 2020.
Webinars in association with the International Photography Week Celebrations, 2020	Honeycomb Creative Support (P)Ltd., Bangalore	20th August 2020
Webinar, titled “COVID-19 and Students’ Wellbeing”	Department Of Zoology, Jhargram Raj College	28th August, 2020 (3:00 pm to 5:00 pm).
National Webinar on “Understanding Copyright and Plagiarism: it’s Consequences in Academic Integrity”	Library Sub-Committee and Internal Quality Assurance Cell of Kishore Bharati Bhagini Nivedita College (Co-Ed.), Behala, Kolkata, West Bengal,	16th September, 2020
National Webinar on the title “emergence of new trends in the backdrop of COVID-19”	Department of History and Philosophy in Collaboration with Internal Quality Assurance Cell of Kishore Bharati Bhagini Nivedita College	16th August,2020
National Webinar on “Role Of Indigenous Traditional Knowledge and Herbal Drugs in Combating Against Pandemic Covid-19”	Department of Botany and Internal Quality Assurance Cell, Maulana Azad College	11th September, 2020
National Webinar on “How to live a healthy life amidst the Pandemic crisis”	Maulana Azad College A DBT STAR COLLEGE initiative in collaboration with IQAC	2nd September, 2020.
National Webinar on “Herbs For Healthcare- Exploring Ethno pharmacology for Better Therapeutics”	Department of Botany and Internal Quality Assurance Cell, Maulana Azad College	12th September, 2020

National Webinar on The covid 19 economic crisis	Dept. of Economics, IQAC, Maulana Azad College	31 July, 2020
International Webinar on Aquatic Biodiversity Conservation	Department of Zoology and Internal Quality Assurance Cell (IQAC), The Madurai Diraviyam Thayumanavar Hindu College, Pettai, Tirunelveli, Tamilnadu-627010 India.	11.08.2020
National Webinar on “Viral Hepatitis, elimination program and a new Virus”	Dept. of Physiology National Service Scheme (NSS) Units, Mahadevananda Mahavidyalaya	28 July, 2020
International Webinar on Breakthrough in Cell Science	Department of Zoology, Midnapore College (Autonomous), Midnapore, West Bengal	09 August, 2020
National level Webinar on National Education Policy, 2020	IQAC, Saheed Nurul Islam Mahavidyalaya, Tentulia, North 24 Parganas	15 <sup>th</sup> September, 2020
National level Webinar The enigma of covid 19.....modalities	Krishnagar Govt. College, IQAC Dept. of Botany	22 July, 2020
State level webinar on Physiological well being during covid 19 pandemic	Krishnagar Govt. College, IQAC Dept. of Physiology	10 July, 2020, 1.45 -3.30 PM
State level webinar on Impact of virus.....health.	Krishnagar Govt. College, IQAC Dept. of Zoology	5 August , 2020, 5pm-7.30 PM
State level webinar on plant breeding.....an overview.	Dept. of Botany, Krishnagar govt. college, IQAC	7 Nov, 2020, 6 Pm-7.30 PM
International Webinar on “Immunological and Psychosocial Spectrum of COVID19”	The Department of Physiology and IQAC, Krishnagar Government College	23rd August 2020 from 11:00 AM to 01:30 PM
Spit free movement to prevent the spread of Covid 19	NH Narayana Super Specialty Hospital	Jun-Aug 2020
National level guest lecture on Darwinian evolution.....post covid 19 era	Department of Zoology PATNA WOMEN’S COLLEGE	12 Sep, 2020
Webinar Series Progress & Prospects in Biology 2020 webinar on ‘From bedside to bench: A peek into the world of ALS’	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	1st November, 2020
Webinar Series Progress & Prospects in Biology 2020 webinar on ‘How drugs are designed and delivered: A perspective on this hyper-collaborative research space’	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	27th September, 2020
webinar on ‘Repairing the Lung: Lessons from Inflammation and Degeneration’	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	13th September, 2020
webinar on ‘Cancer stem cells- Survival of the smartest’	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	29th November, 2020
webinar on ‘Dissecting the role of translation regulators in regeneration and stem cell function’	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes	22nd November, 2020

	Research Group, Department of Zoology, University of Calcutta	
webinar on 'Mangroves: Their Impact on Indigenous People, Society and the Biosphere'	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	5th December, 2020
webinar on 'GAIT-way of Inflammation and Pathogenesis'	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	19th September, 2020
webinar on 'Chromatin readers as regulators of cancer epigenome'	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	14th November, 2020
webinar on 'Single-molecule imaging of cytoplasmic dynein in vivo reveals the mechanism of motor activation and cargo capture'	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	6th December, 2020
webinar on 'Fighting fire with fire: Understanding the neurobiology of stress in an animal model'	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	18th October 2020
webinar on 'Patentable Subject Matter in Life Sciences under Indian Context'	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	7th November, 2020
webinar on 'Animal kingdom to Pharma kingdom and beyond: Designing a smart roadmap'	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	21st November, 2020
webinar on 'Plants that changed history'	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	10th October, 2020
webinar on 'Hysteresis in T-cell Activation'	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	4th October, 2020
webinar on 'Exploring the Unknown: A Taxonomist's Perspective'	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	8th November, 2020
webinar on 'Building the brain: Role of transcription factors and chromatin'	Multi-institute alumni of Zoology; Mentored by the Translational Outcomes Research Group, Department of Zoology, University of Calcutta	11th October, 2020
National Webinar On "Arising Challenges in Waste Management and Therapeutic Approaches in Current Scenario"	Raidighi College Raidighi, West Bengal	25th July, 2020,
International Webinar on "BIOLOGY AND HUMAN WELFARE"	Department of Zoology in collaboration with IQAC, Rammohan College, Kolkata	7th August, 2020 at 04.30pm-08.30pm.

State level webinar on CAS for college teachers.....ICT	RBC College for Women	1 st Sep, 2020
International Webinar On “World Economy In Post- Pandemic Period: Effects And Policy Implications”	Department of Economics & IQAC, Sarojini Naidu College For Women	16 July, 2020
National level Webinar SNAKES: DIVERSITY, THREATS & AWARENESS	Department of Zoology , Sree Chaitanya College, Habra	16.07.2020.
State level Webinar on elephant	Sree Chaitanya College, Habra	12 August, 2020
State-Level Webinar on "Fragile Arcadias: Making Sense of Death Amidst the Beautiful in Poetry"	Surendranath College	July 5th, 2020.
International Webinar entitled "Life and Livelihood of the Migrants in India: Lessons Learnt from the Pandemic"	Surendranath College	July 6th, 2020.
National Webinar entitled "Biology of SARS-COV-2"	Surendranath College	July 7th, 2020.
Webinar entitled A new view of the solar system	Dept. of Physics, Surendranath College	July 8th, 2020
National Webinar on Covid 19 testing and modelling perspective	Surendranath College, Department of Zoology	July 5th, 2020.
National Level Webinar on “New Methodologies of Assessment and Accreditation by NAAC for the Affiliated Colleges”	IQAC, Sree Chaitanya Mahavidyalaya, Habra in collaboration with IQAC, Barrackpore Rastraguru Surendranath College, Barrackpore	27th August, 2020
National Webinar on “POLITICAL ECONOMY OF WEST BENGAL: CHALLENGES & PROSPECTS”	Department Of Economics and Internal Quality Assurance Cell(IQAC), Prabhat Kumar College, Contai, Purba Medinipur	24 June, 2020
International Webinar entitled "Contemporary issues in Biological sciences"	Department of Botany and Zoology and IQAC of Sundarban Hazi Desarat College, south 24 parganas, West Bengal,	27th September, 2020
“National Webinar on VULTURE - A NATURAL SCAVENGER”	PG Department of Zoology, M.V.Muthiah Government Arts College for Women, Dindigul	03/10/2020.
Vaccines for covid 19& ahead	Utkal University and Zoological Society Of Orrisa	27 August, 2020
Online Teacher’s Conference on Impact of Covid 19 on Indian Economy	Victoria Institution (College)	26 July 2020
One-day Webinar on The ‘Ray’ of Enlightenment - 100 years of Satyajit: A Retrospection	Internal Quality Assurance Cell, Sushil Kar College, Champahati	27 July, 2020
Int. web lecture on Systematic Learning Experiences of a Bio Medical Researcher	Department of Zoology, Mahishadal Raj College	25 July, 2020
National Webinar on Plant through ages: extinct to extant	Department of Botany and IQAC, Mrinalini Datta Mahavidyapith	4 August , 2020
National Webinar on Revised NAAC assessment.....colleges	Serampore Girls’ College and Bidhan Chandra College	22 July, 2020

National Webinar on Boycott Chinese Products.....In India	Serampore Girls' College Department Of Economics & IQAC	14 July , 2020, 3-5pm
National Webinar on Picturing the future of healthcare through molecular imaging	Hiralal Majumdar Memorial College For Women	2 August 2020
International Webinar entitled Corona paradox of the covid 19	Hiralal Majumdar Memorial College For Women, Dept Of Physiology, WBSU	21 Sep, 2020
National Webinar on UNDERSTANDING GANDHI	Hiralal Majumdar Memorial College For Women, Dept Of history, IQAC	11 Sep, 2020
National Webinar on MIGRATION	Nabagram Hiralal Paul College, Hooghly	7 Sep, 2020
National Webinar on FIGHT AGAINST COVID 19	SBS Govt. College, Hili, Dept. Of Zoology, Botany, Chemistry, IQAC	19 Oct, 2020, 12-1.30PM
Webinar presentation on 'Representations in Quantum Mechanics'	Department of Chemistry and the IQAC, Narasinha Dutt College, Howrah-711101	9th July, 2020 (one hour and fifteen minutes)
National Webinar presentation on 'Covid 19 and other Emerging Issues in Wildlife Crime'	Internal Quality Assurance Cell, Narasinha Dutt College , Howrah-711101	12th July, 2020 (one hour)
Online Special Lecture Series in Life Sciences, 2020 (SLS-LSc), delivered by Prof. Syamal Roy, Professor and Dean, NIPER, Kolkata	School of Sciences, NSOU	7th October, 2020 from 11.30 am to 1.00 pm
Online Special Lecture Series in Life Sciences, 2020 (SLS-LSc), delivered by Dr. Arindam Mitra, NIBMG. W.B	School of Sciences, NSOU	10 Sep, 2020, 3-4.30 pm
International Webinar entitled Understanding covid 19 disease dynamics from eco health approach	IQAC, Dept. of Zoology, Raja Peary Mohan College, Hooghly	8 July, 2020 (1 hr.)
International Webinar on Developing new global targets for biodiversity conservation by the end of 2021	Department of Zoology PATNA WOMEN'S COLLEGE	12th January, 2021
Understanding of bio pharmaceutical.....opportunities	Eminent College of Pharmaceutical Technology, Barasat, Kolkata	30 January 2021
ICPR sponsored National Periodic Lecture Programme on "Man-Environment Interdependence and Sustainable Development"	Department of Philosophy, in association with IQAC, Barasat Government College, Govt. of West Bengal	13th February, 2021
National Webinar on "Politics, Religion & Nationality in Biodiversity Conservation"	PG & Research Department of Zoology, Arulmigu Palaniandavar College of Arts & Culture, Tamil Nadu	28/03/2021
& Biology Webinar Series on 'Lithium Still Interesting After All These Years'	Translational Outcomes Research Group, Department of Zoology, University of Calcutta, Kolkata	2nd May, 2021
& Biology Webinar Series of 'Challenge of Air Quality Management in West Bengal: Way Forward'	Translational Outcomes Research Group, Department of Zoology, University of Calcutta, Kolkata	15th May, 2021

National Webinar on celebrating “World Otter Day” on the topic "Otters of India"	Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR)	26th May, 2021
National Webinar entitled "Biodiversity: Life Insurance for Our Changing World"	Eco-Club of Mannar Thirumalai Naicker College (Autonomous), Pasumalai, Madurai	26th May 2021
Webinar on "World Biodiversity Day 2021”	Department of Marine Biotechnology, AMET Deemed to be University, Kanathur, Chennai	22-05-2021
National Webinar on celebrating “World Parrot Day” on the topic "Status of Parrot in India"	Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR)	31st May, 2021
National Webinar on celebrating “World Dugong Day” on the topic "Dugongs: Sea cow or Sea angel?"	Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR)	31st May, 2021
Webinar on "Darwin's Dream", Molecular Phylogeny: Constructing Multigenic and Multiphenic phylogenetic trees’	Translational Outcomes Research Group, Department of Zoology, University of Calcutta, Kolkata	29th May 2021
Webinar on ““Reticulo-mito-phagy” – a dual organellar turnover mechanism’	Translational Outcomes Research Group, Department of Zoology, University of Calcutta, Kolkata	30th May 2021
Webinar on MUCORMYCOSIS: THE BLACK FUNGUS` INFECTION MAIMING COVID-19 PATIENTS IN INDIA	Govt. General Degree College, Chapra	3 June, 2021
National Webinar on celebrating “World Environment Day” on the topic “Status and Conservation challenges for sloth bears in Karnataka, India"	Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR)	5th June, 2021
National Webinar on “Climate Smart Benefits of Bamboo To Protect The Environment”	GURU NANAK CENTRE FOR RESEARCH (GNCR), in association with the Organization for Industrial, Spiritual and Cultural Advancement (OISCA) International - GURU NANAK COLLEGE CHAPTER.	05.06.2021
National Level Webinar on Recent trends of climate change and biospheres at “World Environment Day-2021	Govt. General Degree College, Chapra	5th June, 2021
National Webinar on ECOSYSTEM RESTORATION: STRIVING TOWARDS SUSTAINABILITY	Department of Geography (Day and Hindi Shift), under the aegis of Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol, West Bengal	5th June, 2021
National Level Webinar on "WORLD ENVIRONMENT DAY: AN OATH TO RESTORE ECOSYSTEM"	Krishnagar Government College, in association with the IQAC, West Bengal	05th June 2021 from 10:00AM to 2:00PM

National Webinar on celebrating “World Food Safety Day” on the topic "How to save the planet by changing your diet."	Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR)	7th June, 2021
National Webinar on celebrating “World Ocean Day” on the topic “Micro plastic Pollution in the Ocean and It's Effect on Marine Life.”	Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR)	8th June, 2021
National Webinar On “Disaster Risk Reduction Strategies” held on WORLD OCEAN DAY	GURU NANAK CENTRE FOR RESEARCH (GNCR), in association with the Organization for Industrial, Spiritual and Cultural Advancement (OISCA) International - GURU NANAK COLLEGE CHAPTER	08.06.2021
Webinar on "Viral Diseases: Our Constant Struggle to be One Step Ahead "	Dept. of Botany, Jhargram Raj College	June 11, 2021
National Webinar on the topic "Ecology, behavior, threats and conservation of Indian Blue Peafowl Pavo cristatus"	Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR)	11th June, 2021
International webinar on “ACE engagement of SARS-COV2.....beyond”.	Dept. of Physiology, Hooghly Mohsin College	12 <sup>th</sup> June , 2021
National Webinar on the topic “Significant Reduction in Snake Bite Death in India by Awareness"	Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR)	19th June, 2021
National Webinar on "Chennai Bio Diversity Past, Present & Future"	Guru Nanak Centre for Research, Guru Nanak College (Autonomous)	23 June, 2021
National Webinar on the topic “Role of Rainforests in Planetary Health"	Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR)	22nd June, 2021
International Webinar on “Neurodegeneration, Stem Cells and The Future of Brain Research” Speaker Dr. UTPAL DAS, Ph.D., Associate Scientist, Department of Neurosciences, University of California, San Diego, USA	Research Scholars’ Forum, Department of Zoology, Gauhati University & Zoological Society of Assam	25th June, 2021
AJC Bose Memorial Lecture (online mode) entitled “Origin of Life”	Department of Botany, Acharya Brojendra Nath Seal College, Cooch Behar	22 <sup>nd</sup> June, 2021 (3:00 PM – 4:30 PM).
National Webinar on “Opportunities in Fisheries and Aquaculture Sector through Advisory and Consultancy Services”	Guru Nanak Centre For Research (GNCR), in association with the The Organization for Industrial, Spiritual and Cultural Advancement (OISCA) International - Guru Nanak College Chapter.	2.07.2021
Virtual Lecture on “Zebrafish as a Model organism in Biomedical Research”	Department of Zoology (UG and PG), Jhargram Raj College	July 02, 2021

“Efficacy of Microwave Remote Sensing Data for ‘Yaas’ related Flood Mapping- A case study over South 24 Parganas”	Department of Geography in collaboration with Internal Quality Assurance Cell, Kishore Bharati Bhagini Nivedita College (Co-Ed.), Behala, Kolkata-700060	5th July, 2021
Virtual Lecture on "Advanced Neuroimaging Based Brain Research Holds the Key for Early Diagnostic Markers for Brain Disorders"	Department of Zoology (UG and PG), Jhargram Raj College	July 05, 2021.
National Webinar on “Future Role of Re-circulatory Aquaculture System in the Development of Indian Blue Economy”	PG & Research Department of Advanced Zoology and Biotechnology, Guru Nanak College (Autonomous), Guru Nanak Salai, Velachery, Chennai – 600 042.	08.07.2021
Virtual Session on ‘Chemistry: The Science of Life’	Department of Chemistry (UG & PG), Jhargram Raj College (Govt. of West Bengal), Jhargram	July 09, 2021
National Webinar on the topic "Simple Sustainability for You & Me"	Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR) Resource Person : Dr.Kalpana Gopalan, Additional Chief Secretary, Government of Karnataka.	10th July, 2021
International Webinar on “Understanding the evolution of COVID-19: origin, ecology and zoonoses”	Department of Zoology and IQAC, Sarojini Naidu College For Women	July 6, 2021 from 5 to 7 pm
Virtual Session on ‘Cholesterol in Biology and Medicine: History, Myths and Excitement’	Department of Chemistry (UG & PG), Jhargram Raj College (Govt. of West Bengal)	July14, 2021
Virtual Lecture on "Telomerase Reactivation - Targeting the 'Achilles Heel' of Cancer"	Department of Zoology (UG and PG), Jhargram Raj College on	July 08, 2021
State Level Webinar on “GENDER AND EQUITY”	Internal Complaints Committee, Acharya Brojendra Nath Seal College, Cooch Behar	July 13, 2021
NATIONAL WEBINAR ON “Sustainable Aquaculture Development Using Geo Spatial Techniques”	PG & Research Department of Advanced Zoology and Biotechnology, Guru Nanak College(Autonomous), Guru Nanak Salai, Velachery, Chennai - 600 042	15.07.2021
National Webinar on celebrating “World Snake Day 2021” in theme “UNDERSTANDING THE SNAKE”	Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR)	16th July, 2021
Virtual Lecture on "An Art of Mycobacterium Tuberculosis to Tackle Macrophage Immune Response: Lesson for Designing Novel Therapeutics Against TB" Delivered	Department of Zoology (UG and PG), Jhargram Raj College	July 21, 2021

National webinar on “Ornamental Fish Breeding and Culture”	PG & Research Department of Advanced Zoology and Biotechnology, Guru Nanak College (Autonomous), Guru Nanak Salai, Velachery, Chennai - 600 042.	22.07.2021
State level Webinar on SNAKE-TWISTS IN A TALE	Department of Zoology in collaboration with IQAC , Krishnagar Government College, West Bengal	22nd July 2021
& Biology Webinar Series of International webinar on ‘Time Travel with Billion Years Old Elongation Factor- Tus’	Immunology & Regenerative Medicine Research Laboratory, Translational Outcomes Research Group, Department of Zoology, University of Calcutta	25th July 2021
National Webinar on celebrating “World Tiger Day 2021” in theme "Science Based Conservation of Tiger"	Nature Club of Rajapalayam Rajus’ College	29th July, 2021
National Symposium on 'Impact of climate change on biodiversity and Environmental sustainability'	Department of Biotechnology, SVKM'S Mithibai college (Autonomous) under the aegis of RUSA Center for Human Excellence	31 July, 2021
Webinar on “3D Bioprinting Technology For Regenerative Medicine”	Department of Biochemistry, Annai Veilankanni’s College for Women	August 07, 2021
National Webinar on celebrating “World Elephant Day 2021” in theme “Conservation of Asian Elephants”	Nature Club of Rajapalayam Rajus’ College	12th August, 2021
& Biology Webinar Series on “Ethics and its practice in biological/biomedical sciences in contemporary India: what to do and what not!”	Translational Outcomes Research Group, Department of Zoology, University of Calcutta, Kolkata	5th September 2021
International Webinar on Pharmacological modulation of oxidative stress	IQAC of Eminent College of Pharmaceutical Technology, Barasat	8 th September, 2021
National Webinar on ‘Lock-down, Social Security and Perspective’	Department of Economics Barasat Government College In Collaboration with Department of Economics Bidhannagar Government College	11th September, 2021 from 6.00 to 9.00 p.m.
National Webinar on "Magical Microbes: Episode I"	IQAC, Eminent College of Pharmaceutical Technology, Barasat	1st October, 2021
International webinar on, comprehensive current approaches to oncogenetics & pollination ecology	Post Graduate Department of Zoology, Barasat Government College.	October 1, 2021 (7 PM IST)
& Biology Webinar Series on ‘Some Aspects of an Archaeological Study of Early Village Farming Societies of Eastern India: An Interdisciplinary Approach’	Translational Outcomes Research Group, Department of Zoology, University of Calcutta, Kolkata	2nd October, 2021

& Biology Webinar Series on 'Challenging dogmas of estuarine ecology: perspectives of Ganges'	Translational Outcomes Research Group, Department of Zoology, University of Calcutta, Kolkata	3 rd October, 2021
& Biology Webinar Series on 'Understanding cell membrane homeostasis using fluctuations'	Translational Outcomes Research Group, Department of Zoology, University of Calcutta, Kolkata	7th November, 2021
National webinar on Celebrating 100 years of Insulin Discovery: Advances and Opportunities in Diabetes Research	Post Graduate Department of Zoology, Barasat Government College, Kolkata	November 26, 2021 (5 PM IST)
National Webinar on Research Methodology: Development Of Satellite Telemetry In Wildlife Research	An IQAC, Surendranath College	22nd December, 2021
International Webinar titled "ZOOLOGICAL RESEARCH WITH THREATENED HIGHER CHORDATES: EMPHASIS ON CHELONIANS"	Department of Zoology, Vidyasagar University in collaboration with Turtle Survival Alliance (TSA)- India,	19th January, 2022
Online Academic Seminar on Whole Genome Sequencing and Multi Locus Sequence Typing of The Clonal Isolates of Indian Kala-Azar and Para Kala-Azar Dermal Leishmaniasis Patients to celebrate World Neglected Tropical Diseases Day	PG Department of Zoology Barasat Government College Supported By: IQAC, BGC	29 January 2022 6 PM (IST)
National webinar on 'Giving an Effective and Successful Presentation'	Department of Botany, Aligarh Muslim University, Aligarh	February 28, 2022
Three-day International Webiner on "Exploring Vedic Thoughts in Contemporary Society"	Department of Sanskrit, Gobardanga Hindu College	6th, 7th & 8th March, 2022
IP Awareness/Training program (Barasat Govt. College)	under Intellectual Property Office, India	March 09, 2022
National Level Webinar of "Urban Sparrow Conservation: role of students, scholars and citizens	Department of Zoology in association of IQAC of Shibpur Dinobundhoo Institution (College)	20th March, 2022
Plants and Microbes for Environmental Sustainability	Department of Botany, Aligarh Muslim University, Aligarh (India) & International Society of Environmental Botanists (ISEB) CSIR-NBRI, Lucknow (India)	24th March 2022
A Virtual awareness program on "Cancer Prevention and Healthy Lifestyle"	Sanjeevani...life beyond cancer in collaboration with Chapra Government College	29th April, 2022
Two Day State Level Online Workshop on "The Use of ICT enabled tools for Teaching, Learning and Evaluation in Higher Education Institutions"	Durgapur Government College	May 07-08, 2022
"One Day National Webinar" for celebrating "International Biodiversity Day"	Department of Zoology , Maulana Azad College	22th May, 2022

One Day Webinar to celebrate " International Day for Biological Diversity"	Department of Zoology, in association with IQAC, Asutosh College	22th May, 2022
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### Online Faculty Development Program

<b>Name of the Course/Summer School/Faculty Development Program/ Induction</b>	<b>Organized by</b>	<b>Duration</b>	<b>Topic</b>
National Seminar cum Workshop on "Genomics and Bioinformatics in High throughput Era"	Bioinformatics Facility Center, University of North Bengal	26th and 27th March, 2022	"Genomics and Bioinformatics in High throughput Era"
5 days National Level FDP	Department of Biochemistry, Bhavan's Vivekananda College of Science, Humanities and Commerce Under DBT-Star College Scheme	23 <sup>rd</sup> - 27 <sup>th</sup> November, 2021	"Advancements in Biochemistry and Allied Sciences"
5 days National Level FDP on "Recent technological advancements in Life Sciences"	Department of Microbiology, BHAVAN'S VIVEKANANDA COLLEGE of Science, Humanities & Commerce, Sainikpuri, Secunderabad - 500094 Under DBT-Star College Scheme	15th - 19th November, 2021	"Recent technological advancements in Life Sciences"
6 days Short Term Training Programme on "Bio fermentation"	Sathyabama Institute of Science and Technology	26-31 July, 2021	"Bio fermentation"
One Day State Level Workshop	Teachers' Council and IQAC. Sarojini Naidu College for Women	24th July, 2021 from 4:00 to 7:00 pm.	"Guidelines on CAS API during pandemic "
Two-Day Online National Workshop	Acharya Brojendra Nath Seal College, Cooch Behar	14-15 July, 2021	"Outcome-Based Education (OBE)"
Faculty Development Programme	Department of Biochemistry, Annai Veilankanni's College for Women	July 14, 2021	"Scientific Publications - Preparation of Manuscript"
National Level Online Workshop on "PRIMER DESIGNING"	Department of Biochemistry, Annai Veilankanni's College for Women	July 12, 2021	"Primer Designing"

Seven Day International Faculty Development Programme (FDP)	Department of Physical Education and Internal Quality Assurance Cell, Rajapalayam Rajus' College in association with Physical Education Foundation of India (PEFI) Tamilnadu Chapter	1st July to 7th July 2021	"COVID-19 and GENERAL HEALTH AWARENESS"
"Webinar on bioimaging: upright, fluorescence and stereo microscopic techniques"	Sathyabama Institute of Science and Technology, Col. Dr. Jeppiaar Research Park, Centre for Ocean Research in association with Ministry of Earth Sciences – Earth Science Technology Cell (MoES-ESTC) and Leica Microsystems, INDIA	21st to 22nd June, 2021	"Webinar on bioimaging: upright, fluorescence and stereo microscopic techniques"
Three days Faculty Development Programme (FDP)	Departments of Computer Science and Engineering of Nehru Institute of Engineering and Technology & Nehru Institute of Technology, Coimbatore, Tamil Nadu, in association with Computer Society of India	17.06.2021 to 19.06.2021	"Outcome Based Education and Accreditation Processes"
National Level Faculty Development Program (FDP)	Guru Nanak Centre for Research Under the Aegis Of Internal Quality Assurance Cell (IQAC) of Guru Nanak College (Autonomous), Chennai	19.06.2021.	Scientific Paper writing for Newbies: Nuances, Tools and Techniques
National level Faculty Development Program (FDP)	Department of Business Administration (School of Management) in association with Guru Nanak Centre for Research & Internal Quality Assurance Cell, Guru Nanak College (Autonomous), Velachery, Chennai	June 14, 2021	"Publish to Prosper"
Chairperson of Technical Session	International Academy of Science and Research (IASR), Kolkata; Barrackpore Rastraguru Surendranath College, West Bengal and Scientific and Environmental Research Institute (SERI), West Bengal	12,13,14 June, 2021	Chairperson of Technical Session in the International Webinar on "Ecology, Restoration and Management" held at Google Meet on 14 June, 2021 (11 am to 1 pm)
Online FDP 10 days	E & ICT Academy, National Institute of Technology, Warangal in association with University College of Engineering BIT Campus Tiruchirappalli – 620 024	26th May – 04th June 2021	Basics of Bio-Informatics

Two Days National Level Workshop	Department of Computer Science and Engineering, Nehru Institute of Technology in association with Computer Society of India (CSI)	May 14, 2021 to May 15, 2021	“E-Content Creation and ICT Tools for Innovative Teaching and Learning”
Three Days Online National Research Program	The manner of beginning, tracking and conducting research	12,13, 14 May, 2021	Matterhere, promoted by ICT and Digital Literacy and sponsored by Google AdSense.
FDP	RCP UNIVERSE GROUP OF INSTITUTIONS, ROORKEE Approved by: AICTE, PCI, NCTE, MHRD, Affiliated to Uttarakhand Technical University, Dehradun, HNB Garhwal University, Srinagar, Sri Dev Suman Uttarakhand University, Tehri Garhwal and Uttarakhand Board of Technical Education, Roorkee	1 May to 7 May, 2021	One Week Online National Faculty Development Program on E-Contents and ICT Tools for Innovative Teaching & Learning
FDP	Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING	03 - 09 April, 2021	One -Week Faculty Development Programme on “Open Source Tools For Research”
National Webinar on “Start-up Opportunities in Aquaculture” (6 days course)	Department of Oceanography, Techno India University, West Bengal and Institution’s Innovation Council	3rd to 5th and 7th to 9th April, 2021.	National Webinar on “Start-up Opportunities in Aquaculture” (6 days course)
Two days International Webinar	Surendranath College	July 3rd & 4th, 2020.	"COVID-19: Through the Eyes of Young Researchers"
Two days International Webinar	Hiralal Majumdar Memorial College For Women	12, 13 August, 2020	To live with the pandemic....human society
ICSSR sponsored 3 days National level Webinar	Hiralal Majumdar Memorial College For Women	12,13,14 September 2020	Childhood....Indian Context
Two days National level Webinar	Departments of Botany and Zoology in association with IQAC, Shyampur Siddheswari Mahavidyalaya, Ajodhya, Howrah.	6th & 7th August, 2020	“Ethnomedicine: Possibilities and Difficulties in the present scenario”
FDP	Internal Quality Assurance Cell (IQAC) of RAJAH SERFOJI GOVT. COLLEGE, TN	18.08.2020	Online Teaching Tools

MicroBi-Con-2020 Two Day International Webinar	Department of Microbiology Dum Dum Motijheel College, Kolkata, India	7th and 8th July, 2020.	SARS-CoV-2 : In search of Origin to Antidote
Two days International webinar	Dept. of Chemistry and Dept. of Zoology in collaboration with IQAC, Seth Anandram Jaipuria College, kolkata	11th and 12th July, 2020 at 3.30 pm to 7.00 p.m.	“An insight into the recent global pandemic: Chemical and Biological approach”
Two days national webinar for Road map for Wild Life Conservation and Use Of Technologies	Department of Zoology Patna Women’s College	22-23 Sep 2020	Road map for Wild Life Conservation and Use Of Technologies
Two days International Webinar	Marine Ecology Laboratory, Presidency University in association with Aquaphile	18-19 July, 2020.	‘Aquatic Ecosystem: Prospect and future challenges’
4 days Webinar series	P R THAKUR GOVT. COLLEGE	11,13,15,25 July 2020	Interpretation of survival.....natura l disaster
Two Day International Webinar on COVID-19	City College, kolkata	20/06/2020, Time: 7.30 PM - 8.30 PM. 21/06/2020, Time: 7.00 PM - 8.00 PM.	“COVID-19: Pathogen, Immunity and Hope”, “COVID-19: Treatment avenues and Vaccine
2 days International Webinar on sustainability....covid 19 pandemic	Dept. of zoology, botany , IQAC, Charuchandra college, Kolkata	12, 13 august 2020	sustainability....cov id 19 pandemic
2 days International Webinar	Sree Chaitanya Mahavidyalaya, Habra, North 24 Pgs. W.B, India in collaboration with Domkal Girls’ College, Murshidabad, W.B, India.	30th June, 2020 & 1st July, 2020	“COMMUNICATI NG COVID-19: GEOPOLITICS OF A GLOBAL PANDEMIC”
Two-Day National Webinar on ‘Intriguing Concepts and Applications in Zoology’	Department of Zoology (PG & UG) and Internal Quality Assurance Cell (IQAC) Bidhannagar College (Govt. Of West Bengal)	27th and 28th September, 2020.	Intriguing Concepts and Applications in Zoology’
2 days Young Researcher’s Summit	Eminent College Of Pharmaceutical Technology, Barasat, Kol-126	28-30 July , 2020	Young Researcher’s Summit
Short Term Course (STC)	University Of North Bengal, Siliguri	November 26, 2020 to December 02, 2020.	UGC Sponsored Short Term Course on Research Methodology
FDP	KS Jain Institute Of Engineering and Technology, Modinagar, Ghaziabad	1 October to 7 October, 2020.	One Week Online National

	(Approved by AICTE and Affiliated to AKTU, Lucknow)		e-Workshop on Tools for Development of Effective E-Contents and Online Teaching, Learning & Evaluation
FDP	Teaching Learning Centre, Ramanujan College University of Delhi	October 01-October 15, 2020	2-Week Faculty Development Programme on "Research Methodology"
FDP	ICT and Digital Literacy & Sponsored by Google AdSense	05-Oct-20 to 11-Oct-20	One Week Online National Research Program On Research Article / Paper – Beginning To Ending
FDP	Sathyabama Institute Of Science And Technology (Deemed To Be University) Organized by Col. Dr. Jeppiaar Research Park, Centre for Ocean Research in association with Ministry of Earth Sciences – Earth Science Technology Cell (MoES-ESTC)	19th to 25th October, 2020.	One Week Online - Faculty Development Programme On Application of Next Generation Sequencing Technologies in Microbial Genomics
Virtual Symposium	Sathyabama Institute Of Science And Technology (Deemed To Be University)	20-25 July 2020	Recent Trends in aquaculture industries
FDP	Organized by Roorkee College of Management & Computer Applications, Roorkee	8 August to 14 August, 2020.	One Week Online National Faculty Development Program on E-Contents and ICT Tools for Innovative and Effective Teaching & Learning Process
FDP	Krishna Chandra College, Hetampur, Birbhum	4.11.2020-10.11.2020	Learning management system and open educational resources
FDP	Indian Teacher Education Community (ITEC) in collaboration with B.C.G. Shiksha Mahavidyalaya, Dewas, M.P.	06th November to 12th November 2020	Qualitative Research

FIP	Teaching Learning Centre, Ramanujan College University of Delhi	November 10- December 09, 2020	4-Week Induction/Orientati on Programme for "Faculty in Universities/Colleg es/Institutes of Higher Education"
FDP	Teaching Learning Centre, Ramanujan College University of Delhi	August 12- august 25, 2020	Two weeks quantitative methods of data analysis
Invited Lecture on National Seminar On Module Wise Preparation of CSIR Net 16,17,18 <sup>th</sup> August 2020	The Advent Biological Society – Tabs Biological Educational And Social Media Platform	18 August , 2020	Topic- Cancer Biology, Dev. Biology and Cell Signalling
Invited Lecture	The Advent Biological Society – Tabs Biological Educational And Social Media Platform	26 July, 2020	Thyroid Dysfunction: An Alarming Endocrine Disease
Invited Lecture	The Advent Biological Society – Tabs Biological Educational And Social Media Platform	17 July , 2020	The World of Endocrine Receptors
Invited Lecture	Bio-Logics Social Media Platform	29 July , 2020	Invertebrate Immunity With Special Emphasis on Haemocytes

**2008-2019**

**Seminar/Workshop/Conference/Symposium attended**

Sl No	Topic	Seminar/ Workshop/ Conference/ Symposium	Sponsored By	Organized By	Date	National/ State Level
1	Faunal Diversity: Status, Utilization and Impact on Human Health	Seminar	UGC-SAP- DRS-1	Department of Zoology, University of Calcutta	16 <sup>th</sup> February, 2008	National
2	Bioresource and Human welfare	Seminar	UGC	Botanical Survey of India and Zoological Survey of India at Lady Brabourne College	20-21 Jan 2011	National
3	Biological thoughts: micro to the macro	Seminar	UGC	Dept of Zoology, University of Calcutta	9 Feb 2010	National

4	Environmental and Occupational Health: influence with statistics	Seminar	UGC	Calcutta statistical association at Dept. of Stat. C.U	27 Dec. 2008.	National
5	Environmental Crisis: Challenges in the 21 st century	Seminar	UGC	Dept. of Environmental Science & Zoology. Netaji nagar College for Women In collaboration with Bankim Sardar College.	31 Jan 2012	State Level
6	Animal Ecology and Behaviour	Seminar	UGC	Dept. of Zoology. Hooghly Mohsin College	11 Feb 2012	State Level
7	Marine Biodiversity: Its Basic and Applied aspects	Seminar	UGC	Dept. of Zoology. Charuchandra College In collaboration with Zoological survey of India, Kolkata.	14 Feb 2012	State Level
8	Algal biodiversity and its exploitation	Work Shop	DST	Department of Botany University of Calcutta	24-25 Nov 2007.	National
9	Bio-Physical Chemistry for Cancer Research	Work Shop	Govt. of West Bengal	ST. Joseph College and Darjeeling Govt. College	29 Oct to 2 <sup>nd</sup> Nov 2011	National
10	Application of statistical techniques in natural sciences	Work Shop		Dept of Statistics, University of Calcutta and Kolkata Resource Centre, inter University centre for Astronomy and Astrophysics, Pune.	Dec 30-31 2010	National
11	Advanced techniques in molecular biology.	Work Shop	Govt. of West Bengal	Presidency College	10-13 Feb 2010.	National
12	Applications of Flow Cytometry, Cell Sorting and Imaging in Biological Research	Work Shop	UGC	Center For Modern Biology and Centre for Research in Nanoscience and Nanotechnology University of Calcutta in collaboration with BD at CRNN, Salt Lake. Sector III, Kolkata	18-24 Feb 2012.	National

<b>13</b>	Industrial Microbiology	Work Shop	Self-financing	SHRM Biotechnologies Pvt. Ltd. Kolkata-700155	10 days 21 Jan 2012	State Level
<b>14</b>	Advances application of Recombinant DNA technology	Work Shop	Self-financing	SHRM Biotechnologies Pvt. Ltd. Kolkata-700155	14 Jan 2012 10 days	State Level
<b>15</b>	Research Update 2015	Seminar	UGC SAP-(DRS II)	Department of Zoology, University of Calcutta	31 <sup>st</sup> March 2015	National
<b>16</b>	Environment, science and society-exploring new horizons	Seminar	Govt. of WB	Science forum & humanities and social science forum at Mrinalini datta college	7 Dec 2015	International
<b>17</b>	Molecular aspects of human diseases	Symposium	Dept. Of Physiology, Serampore college	Dept. Of Physiology, Serampore college	19 March, 2016	National
<b>18</b>	Biodiversity, mission and vision	National seminar	UGC	Department of Zoology, Barasat Govt. College	19-20 Nov 2016	National
<b>19</b>	Science Academies Lecture Workshop on “Recent Trends in Chemistry and Biology”	Workshop	Indian Academy Of Science, Indian National Science Academy, The National Academy Of Science	Science Forum, Mrinalini Data Mahavidyapith, Birati	March 4-6, 2017	National
<b>20</b>	Vector-borne and Zoonotic Diseases: Emerging challenges in surveillance, diagnosis and Control in the context of global travel, urbanization and climate change”	The National Conference [10th National Conference of Medical Arthropodology (NCMA)]	ICMR,DRDO	Postgraduate Department of Zoology, Asutosh College, Kolkata In Association with: Society of Medical Arthropodology (SOMA), Hyderabad	8th and 9th December 2017	National
<b>21</b>	Challenges Of Contemporization In Higher Education Institution In India	Seminar	NAAC	Sarojini Naidu College For Women	29 th January 2018	national

22	Workshop on CBCS	Workshop	WBSU	Dept. Of Zoology WBSU	9 th February 2018	
23	STATE LEVEL SEMINAR ON BIODIVERSITY OF WEST BENGAL	State level seminar		Ramkrishna Mission Vidyamandira	28 <sup>th</sup> September 2018	State level seminar
24	'SPARSHA'	State level seminar		Zoological society of Kolkata and RKMVC	13 th January 2019	State level seminar
25	New Methodology of NAAC Assessment for Quality Enhancement in Higher Education Institutes	Seminar	NAAC, Bangalore	Ramakrishna Mission Vivekananda Centenary College, Rahara Kolkata – 700118	22 & 23 January, 2019	national

### Abstract Published in Conferences, Seminars

S.No.	Abstract Title	Authors	Published at	Date	Page No.
1	Use of fish macrophages as bioindicator for water quality and immunotoxicity assay.  ISBN=978-81-985573-5-3	Srikanta Guria	Two-Day International Conference Bridging Worlds 2025: Exploring Sustainable Solutions through Diverse Disciplines organized by Vedanta College, Kolkata	20th and 21st June 2025	47
2	Hemocytes: The Promising Cellular Model and Reliable Tool to Obtain Information About Pollution  OF/iCoN-ECPT-2025/04	<u>Srikanta Guria</u> <sup>1 *</sup> , Monoj Das <sup>2</sup> , Anindita Chakraborty <sup>2</sup> , Tithi Dutta <sup>2</sup> and Rahit Ali <sup>2</sup>	2nd International Conference on "Innovations in Sustainable Drug Discovery & Development to Combat the Crisis of Antimicrobial Resistance" by Eminent College of Pharmaceutical Technology	28th February, 2025	27
3	Metal cytotoxicity associated with hemocytes in <i>Bellamya bengalensis</i> (Mollusca, Gastropoda) POSTER: #17	Monoj Das <sup>2 **</sup> , Anindita Chakraborty <sup>2</sup> , Tithi Dutta <sup>2</sup> and Srikanta Guria <sup>1 *</sup>	1st Symposium On Emerging Frontiers Of Biotechnology, Jadavpur University, 2025	30 January 2025	33
4	Effect of streptozotocin (STZ) on kidney cells and liver cells in mice  POSTER: #28	Anindita Chakraborty <sup>2 *</sup> , Monoj Das <sup>2</sup> , Tithi Dutta <sup>2</sup> and Srikanta Guria <sup>1 *</sup>	1st Symposium On Emerging Frontiers Of Biotechnology, Jadavpur University, 2025	30 January 2025	44
5	"Hemocytes of Freshwater Snail <i>Bellamya Bengalensis</i> : A Useful Tool for Assessing Environmental Challenges". Poster Number is PP-F-35.	Srikanta Guria*, Monoj Das, Anindita Chakraborty and Tithi Dutta	International Conference ICBS-2025 organized by Surendranath College, Kolkata	3rd January, 2025	Page A-22
6	Copper toxicity studies on freshwater snail <i>Bellamya bengalensis</i> .	Srikanta Guria, Monoj Das, Anindita Chakraborty and Tithi Dutta	National level Conference IAOPAM-2024 organized by Dept. of Botany, GGDC Lalgah,	20-21st December , 2024	14
7	Hemocytes Of <i>Periplaneta</i> sp. are Counterpart of Vertebrate Macrophages: A Short Report	Anindita Chakraborty, Monoj Das, Tithi Dutta and Srikanta Guria	National Level Seminar On "Emerging Trends in Microbiology and Nutritional Sciences: Innovation and Sustainable Approaches" MICRONUTRIX'24 ISBN 978-93-341-3906-8	4-5 Oct 2024	48
8	A Preliminary Study of Peritoneal Macrophages and Kidney Cells in STZ Induced Mice	Monoj Das, Anindita Chakraborty, Tithi Dutta and Srikanta Guria	National Level Seminar On "Emerging Trends in Microbiology and Nutritional Sciences: Innovation and Sustainable Approaches" MICRONUTRIX'24 ISBN 978-93-341-3906-8	4-5 Oct 2024	49

9	Artificial Intelligence (AI), CGM Biosensors and Diabetes Care  Poster no-RS-GIS-AI-24-P68	Rahit Ali and Srikanta Guria	One Day National Level Satellite Symposium ~ Contribution of Remote Sensing - Geographic Information System (RS-GIS) and Artificial Intelligence (AI) on opening new research sphere in Biological Sciences organized by Asutosh College, in collaboration with Ramakrishna Mission Vidyamandira, Belur Math	22nd March 2024	81
10	Characterization of Hemocytes and Monitoring of Water Quality	<u>Srikanta Guria</u> * and Rahit Ali	International Conference “Green Bio-Merge 2024: International Conference On: Enhancing Health Through Environment, Biotechnology and Entrepreneurship” at Brainware University campus, Kolkata	February 22 to 24, 2024	64-65
11	Analysis of free macrophages, macrophage aggregates (MAs), melano-macrophage centres (MMC)s from liver and kidney of teleosts as key parameter of environmental pollutants	Srikanta Guria* and Rahit Ali	BIO-COLLOQ (An One Day Conference for the Multidisciplinary Biological Sciences) organized by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College and Academy of Biodiversity Conservation, Kolkata	6th, January, 2024	
12	Impairment of phagocytosis by hemocytes in decapod crustaceans (mud crab) exposed to metal pollutants due to cell pyknosis	Rahit Ali and Srikanta Guria	National conference on Modern Approaches in Biological Sciences Organized by Department of zoology Sree chaitanya college, Habra	10.10.2023	122-127
13	Effect of Arsenic and Mercury on Hemocyte-Mediated Cell Assemblage in Edible Mud Crab ( <i>Scylla</i> sp.)	Srikanta Guria * and Rahit Ali	BioNext 2023: Adamas University	4th - 6th October 2023	BN23-OP4 page-40
14	Phagocytic Cells Collected From Teleost Swim-Bladder May Be Important Indicators Of Fish Health Status <b>ISBN: 978-81-962683-2-9</b> <b>DOI (CrossRef):</b> <b><a href="https://doi.org/10.52756/Confapc CollegeZooBot2023">https://doi.org/10.52756/Confapc CollegeZooBot2023</a></b>	<u>Srikanta Guria</u> *, Ohidul Middy, Asik Billa Hossain and Debrina Saha	International Seminar on Recent Developmental Trends in Biological Research Organized by Department of Zoology & Botany, Acharya Prafulla Chandra College	15th July, 2023	14
15	Assessing The Health of Fish Populations by Analysis of Head Kidney Derived Macrophages from <i>Labeo Rohita</i> and <i>Oreochromis</i> Sp.	Srikanta Guria, Debrina Saha, Ohidul middyand Asik Billa Hossain	<b>ECPT/O-02/2023</b> Eminent College of Pharmaceutical Technology Barasat, in association with Bioequivalence Study Centre Jadavpur University	3rd & 4th March, 2023	23
16	Isolation, Characterization and Phagocytosis Study of Splenic Macrophage of Tilapia ( <i>Oreochromis</i> Sp): A Relevance For Fish Immunotoxicity Assay	Debrina Saha and SrikantaGuria	<b>ECPT/P-09/2023</b> Eminent College of Pharmaceutical Technology	3rd & 4th March, 2023	33-34
17	Assay of Viability of Rat Peritoneal Macrophages: Possible Involvement of Arsenic Trioxide Induced Cell Death	Ohidul Middy and Srikanta Guria	<b>ECPT/P-43/2023</b> Eminent College of Pharmaceutical Technology	3rd & 4th March, 2023	45-46

18	Lead (Pb)-induced inhibition in aggregation and phagocytosis of hemocytes of freshwater molluscs, <i>Bellamya bengalensis</i> may act as markers of aquatic biomonitoring approach	Srikanta Guria	National Webinar on Surviving The Pandemic Through Aquaculture: The Kerala Experience by University of Kerala	24th and 25th February, 2022	43
19	Peritoneal Macrophage at the Crossroads of Diabetes Mellitus and Thyroid Dysfunction: A Short Report	S. Guria	International Conference on “Integrated Approaches towards Sustainable Management of Environment for Safe Food, Nutrition and Improved Health” Organized by University of Kalyani	December 15 to 17, 2021	199
20	The Ecological Consequences of Environmental Pollutants and Risk of Diabetes Mellitus	Srikanta Guria	International Webinar on Ecology, Restoration and Management by International Academy of Science and Research (IASR), Barrackpore Rastraguru Surendranath College, and (SERI)	12 -13 – 14 June, 2021	23
21	COVID-19 Lockdown and Behavior of Birds: A Short Review	Srikanta Guria	International Interdisciplinary Conference on “COVID 19: Challenges and Impact on Health, Environment, Livelihood and Education” by Scientific and Environmental Research Institute (SERI) Kolkata, IBRF, CIU and Govt. Degree (P.G) College, Bhadarwah, Jammu and Kashmir	28 – 29 – 30 May, 2021	42
22	The Novel Coronavirus Disease (COVID-19) Lockdown and Improvement in Water Quality of River Ganga: A Short Report	Srikanta Guria	International Webinar on Biodiversity and Sustainable Development in Human Welfare Phase II By IQAC Bijoy Krishna Girls’ College, Howrah	19.08.2020	154-155
23	Covid-19 Lockdown Effect: Industrial Waste & Environmental Impact	Srikanta Guria	International Webinar on Impact of Covid-19 Pandemic and Lockdown on Industry, Trade and Commerce by Victoria Institution (College) with IQAC & Kishore Bharati Bhagini Nivedita College (Co-Ed) with IQAC	31/08/20	
24	Invertebrate Hemocytes as Bio-indicator for Environmental Hazards Indicating 'Planetary Crisis'	Srikanta Guria	‘World Thinkers’ And Writers’ Peace Meet’, 2019 at RKMVCC	December 29, 2019	352
25	Different Categories of Haemocytes Found in Insects (Orthoptera) Collected From Navegaon and Tadoba National Park and Its Adjoining Areas	<u>Susraba Chatterjee</u> and Srikanta Guria <sup>1*</sup>  (LS-08)	National Conference On Future India: Science and Technology_organised by City College, Kolkata	27-28 February, 2019	A56
26	Effect of Pollutants on Death Profile of Invertebrate Defensive Cells (Hemocytes)	Srikanta Guria <sup>1*</sup> (LS-07)	National Conference On Future India: Science and Technology_organised by City College, Kolkata and Indian Science Congress Association, Kolkata Chapter	27-28 February, 2019	A55
27	Alteration of Histological Changes of Pancreas and Liver in Streptozotocin (STZ)-Induced Experimental Diabetes Mellitus	Anirban Chatterjee_and Srikanta Guria PP006	International Seminar on Recent Trends In Science Towards Sustainable Development by Acharya Prafulla Chandra College	06th-07th August, 2018	56

28	Effect of Environmental Pollutants like Arsenic and Lead on Death Profile of Invertebrate Hemocytes	Srikanta Guria PP010	International Seminar on Recent Trends In Science Towards Sustainable Development by Acharya Prafulla Chandra College New Barrackpore, Kolkata-700131	06th-07th August, 2018	60
29	Exposure of Arsenic and Lead induces Apoptosis, Necrosis and Paraptosis like Cell Death in Invertebrate Hemocytes	Srikanta Guria	National Conference Zoo Con 2017: Animal Science In 21st Century Department of Zoology, University of North Bengal	Feb 11-12, 2017	OP 15
30	SNP analysis for hypothyroidism and type 2 diabetes mellitus (T2DM) in the patients of West Bengal	Srikanta Guria, Arup Kumar Pattanayak, Biswabandhu Bankura, Subhankar Chowdhury and Madhusudan Das	CIRMM, WBSU	25-26 Feb 2016	(p-17)
31	Chronicles of a silent death of rat peritoneal macrophage in thyroid dysfunction: A comprehensive approximation.	Srikanta Guria, and Madhusudan Das	National Symposium on Man, Animal and Environment Interaction In The Perspective Of Modern Research on organized by, Department of Zoology, University of North Bengal	March 08-09, 2013	(p-65-66)
32	Mutation screening of the thyroid peroxidase (TPO) gene in hypothyroid patients of West Bengal	Srikanta Guria, Biswabandhu Bankura, Subhankar Chowdhury and Madhusudan Das	National Conference on Department of Zoology, Banaras Hindu University, Varanasi	February 4 – 5, 2013,	(p-11)

### B) OP/RC:

#### Academic Staff College Orientation/ Refresher Course attended

Name of the Course	Place	Duration	Sponsoring Agency
Orientation Course	University Of North Bengal, Siliguri	18.07.2012 to 14.08.2012	UGC, Academic Staff College
Refresher Course	University Of North Bengal, Siliguri	19.11.2014 to 9.12.2014	UGC, Academic Staff College
Refresher Course	University Of North Bengal, Siliguri	14.11.2018 to 4.12.2018	UGC, Academic Staff College (HRDC)
Short Term Course (STC)	University Of North Bengal, Siliguri	November 26, 2020 to December 02, 2020.	UGC, Academic Staff College (HRDC)
Refresher Course in Life Sciences (Inter-disciplinary)	University of North Bengal	03.03.2021 to 16.03.2021	UGC-Human Resource Development Centre (Erstwhile UGC Academic Staff College)