

FACULTY MEMBERS' ACADEMIC PROFILE

1. Name of the Faculty member: Dr. Chandan Sarkar

2. Designation: Assistant Professor in Zoology

3. Qualification: M.Sc., B.Ed., Ph.D.

4. Specialization: Environmental Biology & Ecotoxicology

5. E-mail address: chandansarkar25@gmail.com

6. Date of Joining in W.B.E.S.: 03.03.2015

7. Date of Joining in this College: 03.03.2015

8. Total Teaching experience in College level: 11 years (UG + PG)

9. Research interests: Fish & Fisheries, Ecotoxicology, Biodiversity, Limnology

10. Title of thesis (Ph.D.) with year: Studies on the effects of Triazophos, Spinosad, Cypermethrin on some aquatic organisms and evaluation of ecological health of wetlands through water quality assessment; 2022.

11. Research guidance:

- i. At Doctoral level: Nil
- ii. At P.G. level: 34 dissertations.

12. Research Projects (Completed and ongoing): Nil

13. List of publications:

A) Published papers in Journals:

1. "A study on the acute toxicity of Triazophos to *Branchiura sowerbyi* (Beddard, 1982) and their behavioural changes", **C. Sarkar**, S. Bej and N. C. Saha, *International Journal of Scientific Research*, May, **2016**, 5(5), 665-667 [ISSN 2277-8179].
2. "Acute toxicity of Triazophos to common carp (*Cyprinus carpio*) fry and their behavioural changes", **C. Sarkar**, S. Bej and N. C. Saha, *Paripex-Indian Journal of Research*, June **2016**, 5(6), 19-21 [ISSN 2250-1991].
3. "A study on acute toxicity of an insecticide Triazophos on zooplankton *Cyclops viridis* (Jurine, 1820) along with the changes in their behavior", **C. Sarkar** and N. C. Saha, *Global Journal for Research Analysis*, November, **2016**, 5(11), 240-241 [ISSN 2277-8160].
4. "Effects of a Pyrethroid insecticide Cypermethrin on benthic Oligochaete worm, *Branchiura sowerbyi* (Beddard, 1982)", **C. Sarkar** and N. C. Saha, *Global Journal for Research Analysis*, July **2017**, 6(7), 499-500 [ISSN 2277-8160].
5. "Assessment of effluent water quality of S.P. Paper Board Mill, Barasat, West Bengal", **C. Sarkar**, *International Journal of Scientific Research*, August, **2017**, 6(8), 144-145 [ISSN 2277-8179].
6. "Jalangi River and its Fish diversity: A review", P. Khan and **C. Sarkar**, *Global Journal for Research Analysis*, August, **2017**, 6(8), 569-572 [ISSN 2277-8160].



7. "Fishing crafts and gears used in Assam: A review", **C. Sarkar**, *Conscientia*, November, **2017**, 5: 61-71 [ISSN 2278 – 6554]
8. "A Review on Food and Feeding Behaviour of Fishes", R. Pal and **C. Sarkar**, *Conscientia*, November, **2017**, 5: 79-84 [ISSN 2278 – 6554]
9. "Acute toxicity of a Biopesticide Spinosad to benthic Oligochaete worm, *Branchiura sowerbyi* and the fry of Common Carp, *Cyprinus carpio*", **C. Sarkar** and N. C. Saha, *Int. J. of Life Sciences*, March, **2018**, 6(1), 187-193 [ISSN 2320-7817 (P); 2320-964X (O)]
10. "Evaluation of Acute Toxicity Levels and Behavioral Changes to the Fry of Common Carp, *Cyprinus carpio* (Linnaeus, 1758) Under Exposure of a Pyrethroid Insecticide Cypermethrin.", **C. Sarkar** and N. C. Saha, *Research & Reviews: A Journal of Life Sciences*, August, **2018**, 8(3): 102-107. [ISSN: 2249-8656 (Online), ISSN: 2348-9545 (Print)].
11. "Toxicological impacts of Endosulfan on Histopathology and Haematological parameters of Fish: A Review", S. Ghosh and **C. Sarkar**, *Conscientia*, December, **2018**, 6: 34-45 [ISSN 2278 – 6554]
12. "A study on acute toxicity of a herbicide Fenoxaprop-P-Ethyl on *Heteropneustes fossilis* along with their behavioural changes", **C. Sarkar**, S. Mukherjee and N.C. Saha, *Research & Reviews: A Journal of Life Sciences*, **2020**, 10(1): 12–17 [ISSN: 2249-8656 (Online), ISSN: 2348-9545 (Print)]
13. "Fenvalerate Toxicity on Fish: A Review", **C. Sarkar**, D. Halder and N.C. Saha, *Research & Reviews: Journal of Veterinary Science and Technology*, **2020**, 9 (2 and 3): 6-13 [ISSN: 2319-3441 (Online), ISSN: 2349-3690 (Print)]
14. "Immunotherapy: A Life Saving Treatment". M. Ghosh and **C. Sarkar**, *International Journal of Cell Biology and Cellular Processes*, **2020**, 6(2): 1–9
15. "Seasonal Variation of Water Quality Parameters and Their Impact on Fish Biodiversity Indices of Hasadanga Beel: A Case Study". **C. Sarkar** and N. C. Saha, *Current World Environment*, **2021**, 16(1): 07-17 [ISSN: 0973-4929], DOI: <http://dx.doi.org/10.12944/CWE.16.1.03>
16. "A Study on the Seasonal Fluctuation of Water Quality Parameters and Ichthyofaunal Diversity in Determination of Ecological Health of Mathura Beel, a Floodplain Wetland of West Bengal", **C. Sarkar**, S. Bej and N.C. Saha, *Ecology, Environment & Conservation*, **2021**, 27 (2): 790-798. [ISSN 0971–765X] (SCOPUS IF: 0.16)
17. "A comparative study on the acute toxicity of biopesticide spinosad and pyrethroid insecticide cypermethrin on Zooplankton *Cyclops viridis* (Jurine, 1820) along with their behavioural changes", **C. Sarkar**, A. Barik and N.C. Saha, *Indian Hydrobiology*, **2021**, 20(1): 91-102 [ISSN 0971-6548]
18. "Toxicity of Alpha-Cypermethrin on Fish", P. Mohanta and **C. Sarkar**, *Research & Reviews: Journal of Veterinary Science and Technology*, **2021**, 10(2): 33–38 [ISSN: 2319-3441 (Online), ISSN: 2349-3690 (Print)]
19. "Ecotourism in Mizoram: Problems and Prospects", **C. Sarkar**, *Research & Reviews: Journal of Ecology*, **2021**, 10(3): 01–05 [ISSN: 2278-2230]
20. "A Study on Current Situation of Fish Market in India: Problems and Prospects", P. Mohanta and **C. Sarkar**, *Research & Reviews: Journal of Veterinary Science and*

- Technology*, **2021**, 10(3): 01–06 [ISSN: 2319-3441 (Online), ISSN: 2349-3690 (Print)]
21. “Threats and conservation of Gharial (*Gavialis gangeticus*) in Indian subcontinent: a review”, S. Chakrabarty and **C. Sarkar**, *Conscientia*, December **2021**, 9: 75-93 [ISSN 2278 – 6554]
 22. “A study on the effects of organophosphate insecticide Triazophos, a biopesticide Spinosad and a pyrethroid insecticide Cypermethrin on Oxidative stress biomarkers of *Branchiura sowerbyi* (Beddard, 1892)”, **C. Sarkar**, A. Chatterjee, A. Barik and N. C. Saha, *Nature Environment and Pollution Technology*, **2022**, 21(2): 787-793, DOI: <https://doi.org/10.46488/NEPT.2022.v21i02.043> [p-ISSN: 0972-6268, e-ISSN: 2395-3454]
 23. “Diversity and Evenness Measures of Insects Inhabiting *Calotropis procera* from four Study Areas of North 24 Parganas and Hooghly District of the State West Bengal”, **C. Sarkar**, *Research & Reviews: Journal of Ecology*, **2022**, 11(1): 01–06 [ISSN: 2278-2230]
 24. “Invasive Fish Species in India: Challenges, Threats and Impacts”, N. C. Saha, **C. Sarkar** and A. Raha Roy, *Research & Reviews: Journal of Ecology*, **2022**, 11(1): 07–14 [ISSN: 2278-2230]
 25. “Toxicological Impacts of Heavy Metals on Fish”, A. Raha Roy and **C. Sarkar**, *Research & Reviews: Journal of Veterinary Science and Technology*, **2022**, 11(2): 1–5. [ISSN: 2319-3441 (Online), ISSN: 2349-3690 (Print)]
 26. “Seasonal Fluctuation of Limnological Parameters and Their Impact on Ichthyofaunal Diversity of Chhariganga Oxbow Lake, West Bengal: A Case Study”, **C. Sarkar**, *Indian Hydrobiology*, December **2022**, 21(2): 52–59. [ISSN: 0971-6548]
 27. “Effects of Formalin and Alcohol Preservation on Fishes’ Growth”, S. Biswas and **C. Sarkar**, *Communique, An Academic Journal of Durgapur Government College*, December **2022**, **13** (1): 70-80 [ISSN: 0973-8584]
 28. “A Study on the Adverse Effects of the Heavy Metal Cadmium on Fishes”, H. Chakraborty and **C. Sarkar**, *Communique, An Academic Journal of Durgapur Government College*, December **2022**, **13** (1): 86-105 [ISSN: 0973-8584]
 29. “Protecting the precious Sundarbans: a comprehensive review of biodiversity, threats and conservation strategies in the mangrove ecosystem”, A. Saha and **C. Sarkar**, *Conscientia*, December **2022**, **10**: 60-80. [ISSN 2278 – 6554] (Top cited research)
 30. “Studies on Ichthyofaunal diversity of Bhaluka beel, Nadia in relation with physicochemical properties”, **C. Sarkar**, *Indian Hydrobiology*, December **2023**, **22**(2): 239–246. [ISSN: 0971-6548]
 31. “Assessing the multifaceted effects of ultraviolet radiation on fish: insights into embryological development, behavioral patterns, metabolic processes, physiological, biochemical and growth parameters”, T. Ghosh and **C. Sarkar**, *Conscientia*, June **2023**, **11**: 37-60 [ISSN 2278 – 6554]
 32. “Assessment of acute toxic effects of copper sulphate on *Catla catla* fry: mortality rates, behavioral changes and opercular movement dynamics”, H. Chakraborty and **C. Sarkar**, *Conscientia*, December **2023**, **12**: 52-60. [ISSN 2278 – 6554]

33. “Studies on zooplankton diversity of Bhaluka beel, Nadia in relation with physicochemical properties”, N. R. Nath and **C. Sarkar**, *Conscientia*, June 2024, **13**: 23-31. [ISSN 2278 – 6554]
34. “Acute toxicity and behavioral responses of *Labeo rohita* fry to the organophosphate pesticide triazophos”, **C. Sarkar**, *Conscientia*, **December 2025**, Vol. *XIV* (Sp. Issue): 243-253. [ISSN 2278 – 6554]
35. **Sarkar, C.** (2025). Predictive QSAR modeling and molecular docking assessment of dimethoate toxicity on *Heteropneustes fossilis*. *Environment and Ecology*, **43**(4A), 1229–1238. <https://doi.org/10.60151/envec/SPXZ8243>
36. **Sarkar, C.** (2026). Ecological Modelling and Indicator Assessment of Seasonal Fish Diversity in Bhaluka Beel, West Bengal: Integrating GAM, RDA, and CCA Approaches, *Indian Journal of Ecology*, **53**(1): 69-77, DOI: <https://doi.org/10.55362/IJE/2026/4760>
37. **Sarkar, C.** (2026). Integrated Toxicodynamic and Computational Modeling Approaches to Assess the Aquatic Toxicity of Cypermethrin and Spinosad in *Cyprinus carpio*: A GUTS, QSAR and Molecular Docking Study. *Proceedings of the Zoological Society* (2026). <https://doi.org/10.1007/s12595-026-00618-3>

B) Conference Proceedings:

1. “Study on seasonal variation of physicochemical properties and their effect on fish diversity of Chhariganga oxbow lake, Nadia”, **C. Sarkar**, BOOK OF ABSTRACTS, Volume 6 (Agriculture, Fisheries and animal Science, Botany, Physiology, Zoology) of the Fifth Regional Science and Technology Congress, Region 3, First Edition: January 2023, Published by: The Registrar (Officiating), West Bengal State University, Barasat, [ISBN: 978-81-959389-6-4]
2. “Seasonal Fluctuation of Limnological Parameters in Relation with Fish Diversity of Bhaluka Beel, Nadia: A Case Study”, **C. Sarkar**, ABSTRACT VOLUME of the Two-Day National Conference on "Addressing Challenges and Showing Resilience against Climate Change in the Eastern Region of India" 29-30th May, 2025”, First publish: 29th May, 2025, Published by: DESKU EIACP PC-RP, University of Kalyani, Sponsored by: MoEF & CC, Government of India, DOI: <https://doi.org/10.52756/abstract.2025.e01> [ISBN: 978-81-978955-2-4]

C) BOOK CHAPTERS:

1. **Chandan Sarkar (2025)**. Time-Dependent Toxicity Modelling of Triazophos in Freshwater Fishes: A Comparative Analysis of LC₅₀ Values. © International Academic Publishing House (IAPH), Dr. Nithar Ranjan Madhu, Dr. Prosun Bhattacharya, Dr. Sarka Nedomova, Dr. Tanmay Sanyal and Mr. Rohit Sahu (eds.), A Basic Overview of Environment and Sustainable Development, Vol. 4, pp. 60-72. [ISBN: 978-81-989555-0-0]; doi: <https://doi.org/10.52756/boesd.2025.e04.003>

- 14. Membership of Learned Societies/ Editorial Boards, etc.:** Peer Reviewer of National / International Journals:

- i. Journal of Threatened Taxa [ISSN: 0974-7907 (O), 0974-7893(P)]
- ii. Conscientia [ISSN: 2278 – 6554]

15. Patents: Nil

16. Awards:

- i. Received the **Best Presentation Award** in the DST-PURSE (Phase 2), Govt. of India sponsored '1st International Conference on 'Frontiers in Biological, Environmental and Medical Sciences, FBEMS 2018', organized by **The University of Burdwan** on 8th - 10th March, 2018.

17. Other notable activities:

A) Excursions:

1. Supervised departmental Excursion of **35 students** of **UG 1st Year (Hons), ENVS (compulsory)** to Rajer pukur, Krishnagar, Nadia, on **28.03.2015**.
2. Supervised departmental Excursion of **60 students** of **UG 2nd Year (Gen)** to Rajerpukur, Krishnagar, Nadia, on **01.06.2016**.
3. Supervised departmental Excursion of **30 students** of **UG 1st Year (Hons), ENVS (compulsory)** to Rajerpukur, Krishnagar, Nadia, on **05.07.2016**.
4. Supervised departmental Excursion of **06 students** of **PG Semester-3 (Fish & Fishery special)** to Mathura Beel, Kanchrapara, North 24 Pgs., on **30.08.2016**.
5. Supervised departmental Excursion of **40 students** of **UG 1st Year (Hons) & PG Semester-2** to **Ranaghat Sericulture Farm**, Ranaghat, Nadia, on **23.02.2017**.
6. Supervised departmental Excursion of **60 students** of **UG 2nd Year (Gen)** to Rajerpukur, Krishnagar, Nadia, on **08.04.2017**.
7. Supervised departmental Excursion of **04 students** of **PG Semester-3 (Fish & Fishery special)** to Mathura Beel, Kanchrapara, North 24 Pgs., on **16.12.2017**.
8. Supervised departmental Excursion of **30 students** of **UG 1st Year (Hons)** to **Digha and Shankarpur, Purba Medinipur** from **15.01.2018 to 17.01.2018**.
9. Supervised departmental Excursion of **08 students** of **UG 1st Year (Hons)** to Rajerpukur, Krishnagar, Nadia, on **20.02.2018**.
10. Supervised departmental Excursion of **48 students** of **UG 1st Year (Hons) and UG 1st Year (Bio General), ENVS (compulsory)** to Rajerpukur, Krishnagar, Nadia, on **17.03.2018**.
11. Supervised departmental Excursion of **14 students** of **PG 1st (all) & 3rd Semester (Fish & Fishery special)** to Regional Research Centre, Rahara, Khardaha, North 24 Parganas, Pin: 700118, on **13.11.2018**.
12. Supervised departmental Excursion of **20 students** of **UG 2nd Semester (Hons)** to **Dooars**, District: Jalpaiguri and Kalimpong, West Bengal (**Gorumara National Park, Chapramari Wildlife Sanctuary, Bindu, Jhalong, Murti etc.**) from **31.01.2019 to 04.02.2019**.
13. Supervised departmental Excursion of **52 students** of **UG 2nd Year (General)** to **State Poultry Farm, Krishnagar, Nadia** on **02.03.2019**.
14. Supervised departmental Excursion of **74 students** of **UG 2nd Semester (General) and UG (Hons) 1st & 2nd year and PG 2nd Semester** to **Bethuadahari Wildlife Sanctuary, Bethuadahari, Nadia** on **28.03.2019**.

15. Supervised departmental Excursion of **08 students** of **PG 3rd Semester (Fish and Fisheries special)** to **Sriguru Fish Farm, Rajendrapur, Naihati, North 24 Parganas** on **14.12.2019**.
16. Supervised departmental Excursion of **26 students** of **UG (Honours) Zoology 2nd & 4th Semester** and **PG Zoology 2nd & 4th Semester** to **Sundarban** (Sundarban Wildlife Sanctuary, Sajnekhali Tiger Reserve, Dobanki camp, Pakhiralaya), South 24 Parganas, West Bengal on **04.07.2022** to **06.07.2022**.
17. Supervised departmental Excursion of **12 students** of **UG (Zoology Generic Elective) 4th Semester** to **Rajerpukur**, Krishnagar, Nadia, West Bengal on **25.07.2022**.
18. Supervised departmental Excursion of **35 students** of **UG (Zoology Generic Elective) 2nd Semester** to **Raj Dighi**, Krishnagar, Nadia, West Bengal on **26.08.2022**.
19. Supervised departmental Excursion of **60 students** of **UG (Honours) Zoology 1st, 3rd & 5th Semester** and **PG Zoology 1st & 3rd Semester** to **Purbasthali Oxbow Lake**, Chupi, Purba Bardhaman, West Bengal on **16.12.2022**.
20. Supervised departmental Excursion of **07 students** of **Zoology PG 3rd Semester, 2022** (Fish & Fisheries special paper) to 'Kanchrapara Refugee Fishermens' Co-operative Society Ltd.', Mathura Beel, Vill- Dhankal (Charapol), P.O.- Kampa, North 24 Parganas, PIN 743193, West Bengal on **28.03.2023**.
21. Supervised departmental Excursion of **29 students** of **Zoology UG Hons. 2nd & 4th Semester, 2023; PG 2nd Semester, 2023** to Gopalpur (District: Ganjam), Daringbadi (District: Kandhamal) and Bhubaneswar (District: Khordha), State: Odisha on **08.08.2023-12.08.2023** (5 days).
22. Supervised departmental Excursion of **54 students** of **Zoology UG (Major) 1st Semester & UG Hons. 3rd Semester, 2023** to Central Sericultural Research & Training Institute, Central Silk Board, Govt. of India, Berhampore – 742101, Dist.- Murshidabad, West Bengal on 06.01.2024 (1 day).
23. Supervised departmental Excursion of **25 students** of **Zoology UG Hons. 5th Semester, 2023 & UG Program 5th Semester, 2023** to Dada Bhai Fish Farm, Simurali, Dist.-Nadia, West Bengal on 09.01.2024 (1 day).
24. Supervised departmental Excursion of **110 students** of **Zoology UG 1st Semester (MDC), 2023** to Bethuadahari Wildlife Sanctuary, Bethuadahari, Dist. Nadia, West Bengal on 19.03.2024 (1 day).
25. Supervised departmental Excursion of **43 students** of **UG 2nd Semester 2024 (Zoology Major)** to CIFA, Regional Research Centre, Rahara, Khardaha, North 24 Parganas, Pin: 700118, on **14.08.2024**. (1 day).
26. Supervised departmental Excursion of **30 students** of **UG 3rd Semester 2024 (Zoology Major)** to **Chandipur sea beach and Kuldiha Wildlife Sanctuary of Odisha** from **08.01.2025** to **10.01.2025** (three days).
27. Supervised departmental Excursion of **99 students** of **UG 1st Semester - 2024 (Zoology Major and Zoology MDC)** to Bethuadahari Wildlife Sanctuary, Bethuadahari, Dist. Nadia, West Bengal on **06.02.2025** (1 day).
28. Supervised departmental Excursion of **93 students** of **UG 1st Semester - 2024 (Zoology MDC)** to Bibhutibhusan Wildlife Sanctuary, Bongaon, Dist. North 24 Parganas, West Bengal on **07.03.2025** (1 day).

29. Supervised departmental Field study visit of **03 students** of **PG 2nd Semester - 2025 (Zoology M.Sc.)** to Morali River, Chakdaha, Dist. Nadia, West Bengal on **11.07.2025** (1 day).
30. Supervised departmental Excursion of **40 students** of Zoology **UG 2nd Semester – 2025 (Zoology Major)** and **PG 3rd Semester - 2025 (Zoology M.Sc.)** to Dada Bhai Fish Farm, Simurali, Dist.-Nadia, West Bengal on 08.09.2025 (1 day).
31. Supervised departmental Excursion of **30 students** of **UG 2nd Semester - 2025 (Zoology MDC)** and **PG 3rd Semester - 2025 (Zoology M.Sc.)** to Bethuadahari Wildlife Sanctuary, Bethuadahari, Dist. Nadia, West Bengal on **03.11.2025** (1 day).
32. Supervised departmental Excursion of **82 students** of **UG 3rd Semester - 2025 (Zoology MDC)** to Bethuadahari Wildlife Sanctuary, Bethuadahari, Dist. Nadia, West Bengal on **19.12.2025** (1 day).
33. Supervised departmental Excursion of **32 students** of **UG 3rd Semester - 2025 (Zoology Major)** and **PG 1st & 3rd Semester - 2025 (Zoology M.Sc.)** to Dooarse (Jaldapara National Park, Buxa Tiger Reserve, Rajabhatkahwa, Jainti and adjoining areas), West Bengal from **07.01.2026 to 11.01.2026** (05 days).
34. Supervised departmental Field study visit with **02 students** of **UG 6th Semester - 2026 (Zoology Major)** to Jalangi River, Krishnagar, Dist. Nadia, West Bengal on **16.04.2026** (1 day).
35. Supervised departmental Excursion of **40 students** of **UG 1st Semester - 2025 (Zoology MDC)** to State Horticulture Research and Development Station BHS, Company Bagan, Krishnagar, Dist. Nadia, West Bengal on **20.04.2026** (1 day).

B) Student Seminar:

1. Conducted **Student Seminar** of Zoology (Honours) 2nd Year, 2017-18 students on **24.01.2018, 29.01.2018 and 30.01.2018**.
2. Conducted **Student Seminar** of Zoology (Honours) 3rd Year, 2018-19 students on **03.12.2018 and 04.12.2018**.
3. Conducted **Student Seminar** of Zoology (Honours) 2nd Year, 2018-19 students on **18.02.2019 and 19.02.2019**.
4. Conducted **Student Poster Presentation competition** of Zoology (Honours) 2nd Semester, 4th Semester and 6th Semester – 2022 students & Zoology P.G. 2nd Semester and 4th Semester – 2022 students on **14.03.2022**. (**Topic: Environmental sustainability, conservation, classical zoology**)
5. Conducted **Student Seminar** of Zoology (Honours) UG 6th Semester, 2024 students on **22.04.2024**. (**Theme: Endocrinology**)
6. Conducted **Student Seminar** of Zoology (Honours) UG 4th Semester, 2024 students on **09.07.2024**. (**Topic: Immunology**)
7. Conducted **Student Seminar** of Zoology (Major) UG 3rd Semester, 2024 students on **27.08.2024**. (**Topic: Reptiles**)

C) Co-ordinator of Add-on Course:

1. Successfully completed the **Add-on course** “Bird watching and analysis of physicochemical Parameters of water; Indicators of ecosystem health” as Joint Co-

ordinator, held at P.G. Department of Zoology, Krishnagar Govt. College on (14th-22nd May, 2025), Exam date: 20.06.2025, Number of participants: 50.

18. A) Participation in Seminars/Symposia/Conferences/Workshops:

1. Participated in a UGC sponsored **National Seminar** on '*Frontier Areas of Chemistry- A Modern Perspective*', organized by Dept. of Chemistry, Ramakrishna Mission Vidyamandira, Belurmath & IACS on **25th - 26th February, 2010**.
2. Participated in a MHRD sponsored **National level Workshop** on '*National Mission on Education through Information and Communication Technology (NMEICT) awareness programme*', organized by Muragachha Government College, Nadia, in collaboration with NIT, Durgapur on **3rd September, 2016**.
3. **Presented a paper (Oral presentation)** entitled "A study on acute toxicity of an insecticide Cypermethrin on *Branchiura sowerbyi* (Beddard,1982) along with their behavioural responses" in the UGC sponsored **National Seminar** on '*From molecules to Ecosystem - A Zoological Perspective*', organized by Dept. of Zoology, Ramakrishna Mission Vivekananda Centenary College, in collaboration with WBSU on **22nd September, 2016**.
4. **Presented a paper (Oral presentation)** entitled "Acute toxicity of an insecticide Cypermethrin to the fry of Common Carp, *Cyprinus carpio* along with their behavioural changes" in the Dept. of Science & Technology, Govt. of WB sponsored '*1st Regional Science & Technology Congress-2016, Burdwan Division*', organised by Dept. of Science & Technology, Govt. of WB and Bankura Christian College on **7th - 8th November, 2016**.
5. Participated in the Higher Education Directorate, Govt. of West Bengal sponsored **State level** "*Professor Satya Sundar Barman Memorial Lecture 2016*" on the focal theme '*Scientific Development and Technological Innovation of the 21st Century - Paving Peace or Annihilation*', organized by Krishnagar Government College, Krishnagar, Nadia, in collaboration with ABSGCTA, on **10th December, 2016**.
6. **Presented a paper (Poster presentation)** entitled "*Seasonal Fluctuation of Water Quality Parameters and Ichthyofaunal Diversity of Hasadanga Beel: a Floodplain Wetland of Nadia*" in the Dept. of Higher Education, Science & Technology and Biotechnology, Govt. of WB sponsored '*2nd Regional Science & Technology Congress (Western Region), 2017*', organised by The University of Burdwan and Dept. of Higher Education, Science & Technology and Biotechnology, Govt. of WB on **16th & 17th November, 2017**.
7. Participated in the Govt. of West Bengal sponsored "A One-day **Regional Level Seminar 2017**" on the focal theme '*Degenerative Diseases of Brain and Folk Music as a Healer*', organized by Krishnagar Government College, Krishnagar, Nadia, on **16th September, 2017**.
8. **Presented a paper (Oral presentation) and received the Best Presentation Award** for the paper entitled "*Hazardous effects of a commonly used pesticide Spinosad to Branchiura sowerbyi along with their behavioural changes*" in the DST-PURSE (Phase 2), Govt. of India sponsored 1st **International Conference** on '*Frontiers in*

- Biological, Environmental and Medical Sciences, FBEMS 2018*’, organized by The University of Burdwan on **8th -10th March, 2018**.
9. Participated in the Higher Education Department, Govt. of West Bengal sponsored **State level** “*Professor Satya Sundar Barman Memorial Lecture 2017*” on the focal theme ‘*Sister Nivedita: In the vision of Swami Vivekananda*’, organized by P. R. Thakur Govt. College, Thakurnagar, North 24 Parganas, in collaboration with ABSGCTA on **11th March, 2018**.
 10. Participated in the GGGDC Kolkata and IIT Kharagpur sponsored **State level** “National Programme on Technology Enhanced Learning (NPTEL) Awareness Workshop” organized by Govt. Girls’ General Degree College, 7, Mayurbhanj Road, Kolkata with IIT Kharagpur on **12th October, 2018**.
 11. **Presented a Paper (Oral)** entitled “A study on hazardous acute toxic effects of a commonly used biopesticide spinosad to fry of common carp, *Cyprinus carpio* along with their behavioural changes” in the Dept. Science & Technology and Biotechnology, Govt. of WB sponsored ‘*3rd Regional Science & Technology Congress (Southern Region), 2018*’, organised by Bidhannagar College & Dept. of Science and Technology and Biotechnology, Govt. of WB on **18th & 19th December, 2018**.
 12. Participated in the Indian Academy of Sciences, Bangalore; Indian National Science academy, New Delhi; The National Academy of Sciences, India Allahabad sponsored **National level** Science Academies’ Lecture Workshop on “Understanding the ‘Nuts and Bolts’ of Chemistry” (Celebrating 150 years of the Periodic Table and ‘2019: International Year of the Periodic table’) organized by Department of Chemistry, Krishnagar Govt. College on **18th and 19th January, 2019**.
 13. Participated in the Higher Education Department, Govt. of West Bengal sponsored **State level** “*Professor Satya Sundar Barman Memorial Lecture 2019*” on the focal theme ‘*West Bengal Higher Education Service: Past and Future*’, organized by Govt. General Degree College, Singur with ABSGCTA, on **8th February, 2019**.
 14. Participated in the Govt. of WB sponsored **State level** “One-day Gender Sensitisation Workshop” organized by ICC with Seminar sub-committee, Govt. Girls’ General Degree College, 7, Mayurbhanj Road, Kolkata on **29th March, 2019**.
 15. **Presented a Paper (Poster)** entitled “*Evaluation of Acute Toxicity Levels and Ethological Responses Under Exposure of a Herbicide Fenoxaprop-P-Ethyl on Asian Stinging Catfish Heteropneustes fossilis (Bloch, 1794)*” in the Dept. Science & Technology and Biotechnology, Govt. of WB sponsored ‘*4th Regional Science & Technology Congress (Southern Region), 2018*’, organized by MAKAUT & Dept. of Science and Technology and Biotechnology, Govt. of WB on **23-24th December, 2019**.
 16. **Presented a Paper (Poster)** entitled “*Seasonal fluctuation of physicochemical parameters of the water and fish diversity of Chamta beel: a floodplain wetland of West Bengal*” in the ‘**International Seminar** on Sundarbans: Science to Society’ organized by Sundarban Hazi Desarat College, Pathankhali, Gosaba, South 24 Parganas, West Bengal with Sundarban Anil Krishna Mahavidyalaya (B.Ed.) on **26th January, 2020**.
 17. Participated in **Webinar** on “*Care to Biodiversity*” organized by ENVIS RP on Environmental Biotechnology, University of Kalyani, held on **5th June, 2020**.

18. Participated in **Two Days National Webinar** on “*Biodiversity Conservation and its Management*” organized by Zoology and Biotechnology Department of Government Girls’ P.G. College, Ujjain (M.P.), in collaboration with **Zoological Society of India (ZSI)** and **Society of Life Sciences (SLSc)** on **15th & 16th July, 2020**.
19. Participated in **Two days International Webinar** on “*Aquatic Ecosystem: Prospect and future challenges*” organized by Marine Ecology Laboratory, Presidency University, Kolkata, in association with Aquaphile on **18th to 19th July, 2020**.
20. Participated in **Webinar** on “*Say No to Plastic Pollution*” organized by ENVIS RP on Environmental Biotechnology, University of Kalyani, Sponsored by Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi, held on **18th July, 2020**.
21. Participated in the **Ten Days Faculty Development Programme (FDP)** on “*Museum and Archives, Art and Architecture and Tourism*” organized by Department of History, Prabhu Jagatbandhu College, Jhorehat, Andul-Mouri, Howrah 711302 held on from **10th July to 19th July, 2020**.
22. Acted as **Organizing Committee Member** of the one-day State Level Webinar on “*Impact of Virus and Vector on human health*” organized by P.G. Department of Zoology in collaboration with IQAC, Krishnagar Govt. College, Nadia on **5th August, 2020**.
23. Participated in the **Two-day national webinar** on “*Development of Technology in Fisheries & Aquaculture with special reference to the Fish Production & Processing*” organized by Department of Industrial Fish & Fisheries & IQAC, Asutosh College, Kolkata held on **17th & 18th August, 2020**.
24. Participated in the **One Week Faculty Development Programme (FDP)** on “*Research Article Writing and Online Academic Presentation*”, organized by Zoology & Biotechnology Department and Internal Quality Assurance Cell (IQAC), Govt. Girls’ P.G. College, Ujjain (M.P.) in association with the National Academy of Sciences, India, Bhopal Chapter on **17th August to 23rd August, 2020**.
25. Participated in the **International webinar** on “*Contemporary issues in Biodiversity and its related technologies*” jointly organized by Department of Zoology and Department of Geography, Chakdada College, Nadia, West Bengal, held on **30th August, 2020**.
26. Participated in the **Two-day national webinar** on “*Intriguing Concepts and Applications in Zoology*” Jointly organized by Department of Zoology (PG & UG) and Internal Quality Assurance Cell (IQAC), Bidhannagar College, held on **27th and 28th September, 2020**.
27. Participated in the **International webinar** on “*Challenges and prospects of cancer therapeutics*” organized by Department of Zoology, Diamond Harbour Women’s University, West Bengal on **29th September, 2020**.
28. Participated in the **International webinar** on “*Ecosystem Restoration Through Sustainable Biodiversity*” organized by Zoology and Biotechnology Department, Govt. Girls’ P.G. College, Ujjain (M.P.) in Collaboration with: ESW Society, Khajuraho, India on **5th June, 2021**.
29. Participated in the **Seven Day E-Workshop** on “*Entrepreneurial Skill Development and Career Opportunities in Biological Sciences*” Organized by Zoology and

- Biotechnology Department, Govt. Girls' P.G. College, Ujjain (M.P.) Under MPHEQIP World Bank Scheme from **24th June to 30th June, 2021.**
- 30.** Acted as **Joint-Convener** of the One-day **webinar** on “*Human Genome and its various aspects*” organized by P.G. Department of Zoology in collaboration with IQAC, Krishnagar Govt. College, Nadia on **12th July, 2021.**
 - 31.** Acted as **Convener** of the One-day **state level webinar** on “*Snake-Twists in the tale*” organized by P.G. Department of Zoology in collaboration with IQAC and Nature Club, Krishnagar Govt. College, Nadia on **22nd July, 2021.**
 - 32.** Participated in the **International webinar** on “*Environment-Food-Health nexus under changing global scenario*” organized by Department of Ecological Studies and International Center of Ecological Engineering & Department of Food and Nutrition, University of Kalyani, held on **6th and 7th September, 2021.**
 - 33.** Participated in the **National Training Workshop** on “*Research Article Writing and Plagiarism*” Organized by Zoology and Biotechnology Department and IQAC, Govt. Girls' P.G. College, Ujjain (M.P.) on **18th September, 2021.**
 - 34.** Acted as **Organizing Committee Member** of the One-day **International Webinar** on “*Conservation Challenges in Changing Climate*” organized by P.G. Department of Zoology in collaboration with IQAC and Nature Club, Krishnagar Govt. College, Nadia on **13th November, 2021.**
 - 35.** Acted as **Organizing Committee Member** of One Day College Level Seminar (Poster Presentation) on “*Life Science*” organized by P.G. Dept. of Zoology in collaboration with IQAC of Krishnagar Govt. College, Nadia on **14.03.2022.**
 - 36.** Participated in the **One Day State Level Seminar** on “*Metaphysics of Mind*” organized by P.G. Dept. of Philosophy, Krishnagar Govt. College held on **27.04.2022.**
 - 37.** Acted as **Organizing Committee Member** of **One Day College Level Seminar** on “*Field Biology with WWF*” organized by P.G. Dept. of Zoology, Krishnagar Govt. College, Nadia on **17.07.2022.**
 - 38.** Participated in the **One Day State Level Seminar** on “*After Graduation? Be an Entrepreneur!*” organized by Dept. of Botany in collaboration with Seminar Committee and IQAC of Krishnagar Govt. College held on **16.09.2022.**
 - 39.** Participated in the ABSGCTA sponsored **State level 9th Prof. Satya Sundar Barman Memorial Lecture-2022**, on the Focal theme-“*21st Century: Challenges and our preparedness*”, organized by ABSGCTA, held at Unnayan Bhaban Auditorium, Salt Lake, Kolkata on **04.12.2022.**
 - 40.** Participated in the **One Day State Level Seminar** on “*Emerging Prospects of Biosciences and Clinical Research*”, organized Dept. of Physiology in collaboration with Seminar and Research Monitoring Committee with IQAC of Krishnagar Govt. College held on **09.12.2022.**
 - 41.** Participated in the **One Day State Level Seminar** on “*Ergonomics: Application in Health and Safety*”, organized by Dept. of Physiology in collaboration with Seminar and Research Monitoring Committee with IQAC of Krishnagar Govt. College held on **14.12.2022.**
 - 42.** **Presented a Paper (Oral)** entitled “*Study on seasonal variation of physicochemical properties and their effect on fish diversity of Chhariganga oxbow lake, Nadia*” in the

- Dept. Science & Technology and Biotechnology, Govt. of WB sponsored ‘**5th Regional Science and Technology Congress** (Region 3 – Nadia and North 24 Parganas), 2023’ organised by Dept. of Science and Technology and Biotechnology, Govt. of WB and West Bengal State University, Barasat on **19th & 20th January, 2023**.
- 43.** Participated in the **One Day College Level Seminar** on “Metabolic Reprogramming in Cancer: background, ongoing research and future prospects”, Speaker: Pratiti Mandal, organized by Dept. of Zoology in collaboration with Seminar and Research Monitoring Committee with IQAC of Krishnagar Govt. College held on **03.02.2023**.
 - 44.** Participated in the **Workshop on ‘Designing Competitive Grant Proposal’** organized by Department of Zoology, The University of Burdwan in collaboration with DST-SERB held on **10th-11th February, 2023**.
 - 45.** Participated in the **National Seminar on ‘E-Waste Management’** organized by DESKU EIACP PC-RP on Environmental Biotechnology, University of Kalyani in collaboration with Ministry of Environment, Forest and Climate Change, Govt. of India held on **17th February, 2023**.
 - 46.** Participated in the **Two Day Workshop On “Indoor Air Pollution And Public Health”, PI: Prof. Naba Kumar Mondal, Env. Chem. Lab, The University Of Burdwan** organized by Department of Environmental Science, The University of Burdwan, Golapbag in collaboration with DST-SERB (SSR Programme) held on **23/03/2023 to 24/03/2023**.
 - 47.** Participated in the **One day seminar on “Human Rights”** Speaker: Prof. (Dr.) Subir Kumar Roy, Bankura University, organized by Seminar and Research monitoring committee with with IQAC of Krishnagar Govt. College held on **17.01.2024**.
 - 48.** Participated in the **One day national seminar on “Public Health (Household’s Vulnerability and Reproductive Health: Looking India’s Public Health through a Political Economy Lens)”**; **Speaker: Dr. Joysankar Bhattacharya, IIM-Indore**, organized by Dept. of Physiology in collaboration with Seminar and Research Monitoring Committee with IQAC of Krishnagar Govt. College held on **24.01.2024**.
 - 49.** Participated in the **One Day Faculty Lecture Workshop on “Techniques, applications and future prospects of Metagenomics and aquaculture engineering in advance research”**, organized by Department of Zoology, RKMVCC, Rahara, North 24 Parganas held on **20.02.2025**.
 - 50. Presented a Paper (Poster)** entitled “*Seasonal Fluctuation of Limnological Parameters in Relation with Fish Diversity of Bhaluka Beel, Nadia: A Case Study*” in the Ministry of Environment, Forest and Climate Change (MoEF & CC) Govt. of India sponsored “**Two-Day National Conference on “Addressing Challenges and Showing Resilience against Climate Change in the Eastern Region of India”** jointly organised by, DESKU EIACP PC-RP, ZSI EIACP PC-RP, BSI EIACP PC-RP, TERI EIACP PC-RP, Dept. of Economics, & Dept. of Zoology, University of Kalyani on **29-30th May, 2025**.
 - 51. Presented a Paper (Poster)** entitled “*From water chemistry to community structure: exploring Zooplankton as sentinels of ecosystem health in a wetland of Nadia district, West Bengal*” in the Department of Higher Education, Government of West Bengal, and RSC Local Section East India sponsored ‘**International Seminar**’ on “*Recent*

Advancements in Chemistry and Biology” jointly organised by, Department of Chemistry & Botany in Collaboration with IQAC, Darjeeling Government College, on **14th August, 2025**.

- 52. Presented a Paper (Oral)** entitled “*Fish Biodiversity as a Bioindicator of Aquatic Health: A Case Study from Jalangi River*” in the Krishnagar Government College sponsored ‘**Two-Day International Conference**’ on “*Frontiers in Science: An Integrative Approach in Solving Global Challenges*” organised by Krishnagar Government College in association with IQAC, Krishnagar Government College, on **10th & 11th September, 2025**.
- 53.** Participated in the ABSGCTA sponsored State level “**10th Prof. Satya Sundar Barman Memorial Lecture-2025**, Focal theme-“*Aa mori bangla bhasha*”, organized by ABSGCTA, on **13th September, 2025**.
- 54. Presented a paper (Oral presentation)** entitled “*Acute Toxicity, Behavioural Responses, and Molecular Docking Analysis of Mancozeb Fungicide in Common Carp (Cyprinus carpio)*” in the Dept. of Science and Technology and Biotechnology, Govt. of WB and University of Kalyani sponsored ‘**8th Regional Science and Technology Congress (Region 4)**’, organised by Dept. of Science & Technology and Biotechnology, Govt. of WB on **16th & 17th January, 2026**.

B) Participation in OP/RC/FIP/MOOCs:

- a. Participated in the **30th Orientation Course** organized by UGC-HRDC Mizoram University held from 28.07.2020 to 17.08.2020 (21 days) and obtained **Grade A**.
- b. Participated in the **Refresher Course in Life Sciences** organized by UGC-HRDC Ranchi University held from 01.09.2020 to 14.09.2020 (14 days) and obtained **Grade A**.
- c. Participated in the **3rd Faculty Induction Programme** organized by UGC-HRDC University of North Bengal held from 04.01.2021 to 02.02.2021 (30 days) and obtained **Grade A+**.
- d. Participated in the **Refresher Course in Life Sciences** organized by UGC-HRDC Ranchi University held from 03.09.2021 to 16.09.2021 (14 days) and obtained **Grade A**.
- e. Participated in the **Refresher Course in Disaster Management (Interdisciplinary)** organized by UGC-HRDC Aligarh Muslim University held from 05.12.2023 to 18.12.2023 (14 days) and obtained **Grade A**.
- f. Participated in the **MOOCs course in Fish & Fisheries** (Category: Zoology), organized by SWAYAM portal from 12.01.2026 to 05.04.2026 (12 weeks, 4 credit course).

19. Research metrics (by Research Gate, as on 22-05-2026):

- a. Research Interest: 112
- b. Reads: 4889
- c. Total number of Citations: 68
- d. Recommendations: 15
- e. h-index: 05

- f. h-index (excl. self-citations): 04
- g. i10-index: 01 (by Google Scholar)

20. Profile in various Research Groups:

- A. VIDWAN ID: 533401 <https://vidwan.inflibnet.ac.in/profile/533401>
- B. Research Gate: <https://www.researchgate.net/profile/Chandan-Sarkar-7>
- C. Google Scholar: <https://scholar.google.com/citations?hl=en&user=rGmu49UAAAAJ>
- D. ORCID: 0000-0002-0392-698X
<https://orcid.org/my-orcid?orcid=0000-0002-0392-698X>
- E. Web of Science Researcher ID: AAS-9742-2021
<https://www.webofscience.com/wos/author/record/2967272>
<https://publons.com/researcher/3913887/chandan-sarkar/>



Researchgate QR code