

DR. SANDIP MAJUMDER

Contact: sandipmajumder.dgc@gmail.com

Qualification: M.Sc., Ph.D.

Designation: Assistant Professor

Teaching Experience (in years): UG: 09 PG: 08

Research Experience (in years): 15

Date of Joining in WBES: 01.03.2019

Date of Joining Present Institution: 01.03.2019

Institutions/Companies Previously Served:

Name of Institution/Company	Designation	Tenure	
		From (DD-MM-YYYY)	To (DD-MM-YYYY)
Central Silk Board, Ministry of Textiles, Government of India	Scientist-C	01-11-2018	28-02-2019



Examinations cleared: NET-CSIR & SET

Specialization/Research Interest: Parasitology and Immunology, Ecology, Aquatic Ecology and Biotic communities, Statistical ecology, Biodiversity pattern, Climate change and Fish Biology.

Courses taught

	UG	M.Sc.
Semester-I	AECC-1, Environmental studies	Biogeography and Biological Resources, Natural Interactions, Ecological Principles, Core Course Practical
Semester-II	-	Chemistry In Natural Management, Biological Rarity Phenomena, Biodiversity Conservation, Chemistry of Biosphere, Core Course Practical, MIE- Basic Conservation Biology
Semester-III	-	Wildlife Management, Quantification Techniques, Marine Bioresources-I, Core Course Practical, Major Elective Practical
Semester-IV	-	Project Report, Biostatistics And Bioinstrumentation, Marine Bioresources-II, Core Course Practical, Major Elective Practical

Journals:

1. Chatteraj A, Sahoo M, Pillai SSK, Mathews RP, Murthy S, Saxena A, **Majumder S***, Mathew B (2025), Reconstruction of palaeoenvironment and vegetation dynamics during the late Permian, Raniganj Coalfield, India: insights from megafossils, palynomorphs, and biomarkers. *Environmental Earth Sciences*, 84(23), 695.
2. **Majumder S**, & Saikia SK (2024), Phytoplankton-periphyton orientation influences feeding behavior of cultivable species: A case study on rohu, *Labeo rohita* (Hamilton, 1822). *Sustainable Aquatic Research*, 3(1), 44-57.
3. **Majumder S**, Saikia SK (2020), Ecological intensification for feeding rohu *Labeo rohita* (Hamilton, 1822): A review and proposed steps towards an efficient resource fishery. *Aquaculture Research*, 51(8), 3072-3078.
4. **Majumder S**, Majumdar N, Saikia SK, Saha SK, Ghosh P (2018), Diet selectivity of *Labeo rohita* (Hamilton, 1822) in periphyton based and periphyton free polyculture pond: An explanation through electivity index. *Trends in Fisheries Research*, 7(2), 52-56.
5. **Majumder S**, Majumdar N, Ghosh P, Saikia SK, Saha SK (2018) Rohu *Labeo rohita* (Hamilton, 1822) changes feeding strategy throughout its ontogeny: An explanation from feeding ecology. *International Journal of Scientific Research in Biological Sciences* 5(4), 92-96.
6. **Majumder S**, Majumdar N, Ghosh P, Roy K, Saikia SK, Saha SK (2018), Feeding pattern of an Indian Major Carp, *Labeo rohita* (Hamilton, 1822) in periphyton based monoculture and polyculture earthen pond. *International Journal of Scientific Research in Biological Sciences*, 5(4), 21-28.
7. Ghosh P, Dan SK, Banerjee G, Nandi A, Ray AK, **Majumder S*** (2018), Effect of probiotic supplemented diet on gut associated bacterial flora of *Labeo rohita* (Hamilton). *Trends in Fisheries Research*, 7(2), 65-73.
8. Ghosh P, Dan SK, Banerjee G, **Majumder S***, Nandi A, Roy K, Ray AK (2018), Effects of soybean meal incorporated diet on enzyme producing autochthonous gut bacteria in fingerlings of *Labeo rohita* (Hamilton). *International Journal of Scientific Research in Biological Sciences*, 5(4), 47-54.
9. Ghosh P, Banerjee G, Dan SK, Nandi A, Ray AK, **Majumder S*** (2018), Optimization of the culture conditions for protease and cellulase production by two bacterial strains *Bacillus amyloliquefaciens* (D4F1) and *Bacillus pumilus* (D4H3) isolated from *Lemna polyrrhiza* fed fish (*Cirrhinus mrigala*) gut. *Trends in Fisheries Research*, 7(1), 48-60.
10. Roy K, Mandal DK, Ghosh P, **Majumder S*** (2018), Annual reproductive cycle of male Indian minor carp *Labeo bata* (Hamilton, 1822). *International Journal of Scientific Research and Review*, 7(8), 556-564.
11. Roy K, **Majumder S**, Mandal DK (2018), Seasonal variation on fish reproduction: A review. *International Journal of Scientific Research and Review*, 7(8), 452-466.
12. **Majumder S**, Ghosh P, Saha SK, Saikia SK (2016), Study on food selection of *Labeo rohita* (Hamilton, 1822) by determining electivity index in periphyton based and periphyton free monoculture pond. *International Journal of Applied Research*, 2(3), 4-7.
13. Saikia SK, Nandi S, **Majumder S** (2015), 'Synbiofilm'- A Friendly Microbial Association in Aquatic Ecosystem. *Annual Research & Review in Biology* 5(2): 97-108.
14. Dangar S, **Majumder S**, Saikia SK (2014), Back calculation of body weight of *Labeo rohita* (H.) from different scale measures. *Journal of Frontline Research in Arts and Science*, 3, 34-41.

15. Saikia SK, **Majumder S**, Nandi S, Saha SK (2013), Feeding ecology of the freshwater fish Rohu, *Labeo rohita* (Hamilton 1822): A case of intelligent feeding in the periphyton-based environment. *Zoology and Ecology*, 23(4), 266-274.
16. Saikia SK, Saha SK, **Majumder S** (2013), Preliminary investigation on the diversity of plankton and periphyton from a freshwater pond stocked with rohu, *Labeo rohita* (Hamilton, 1822). *Ege Journal of Fisheries and Aquatic Science*, 30(4), 183-186.
17. Nandi S, **Majumder S**, Saikia SK (2013), Small freshwater fish species (SFFs) culture: issues from nutrient security, carp-SFF integration and feeding ecology. *Reviews in Fish Biology and Fisheries*, 23, 283-291.
18. Saikia SK, Nandi S, **Majumder S** (2013), A review on the role of nutrients in development and organization of periphyton. *Journal of Research in Biology*, 3(1), 780-788.
19. Das S, Nandi S, **Majumder S**, Saikia SK (2013), New characterization of feeding habits of *puntius sophore* (Hamilton, 1822) through morphometry. *Journal of Fisheries Sciences.com*, 7(3), 225-231.
20. Mandal T, **Majumder S**, Saikia SK (2013), An Analysis of Girth Lengths to Morphometric Measures of *Labeo Bata* (Hamilton 1822). *International Journal of Scientific Research*, 2(9), 15-16.

Book Chapters:

1. **Majumder S** (2024), Understanding Fisheries and Sustainable Management: A Comprehensive Overview. In SK Saikia (Ed.), *Advances in Aquatic Ecology and Fish Biology*. (Vol.1, pp. 45-63). Integrated Publications, New Delhi.
- 2.

Guidance of Ph.D. Scholars

1. Padmini Baruah (2021, *Kazi Nazrul University*) Thesis title: Global warming potential of the muga sericulture and dissemination of the promising greenhouse gases mitigation technology to the muga farmers in Assam.
2. Anita Chattoraj (2022, *Kazi Nazrul University*) Thesis title: Palaeofloral diversity and Palaeoenvironmental significance of Glossopteris flora during Permian period in Raniganj Coalfield, Damodar Basin, West Bengal, India.

Guidance of M.Sc. Projects

1. Shaswati Das (2019-2020, *Durgapur Government College*), A review on the diversity of freshwater fish in Paschim Bardhaman District of West Bengal.
2. Mou Das (2020-2021, *Durgapur Government College*), Assessment of the Floristic Diversity and Vegetation Structure of Durgapur Government College Campus, Paschim Bardhaman, West Bengal.
3. Deepali Das (2021-2022, *Durgapur Government College*), Ethno-Medicinal Knowledge and Uses of Plants with Special Emphasis on Their Tolerance Level Against Air Pollution in Durgapur, West Bengal.
4. Aresh Ojha (2022-2023, *Durgapur Government College*), Comparative Analysis of Soil Parameters in Different Habitats of Indian Pangolin in South Bengal.

Invited Lectures

1. Invited Lecture on *“Haemostasis, Blood clotting system and Fibrinolytic system”*, in the “Faculty Exchange Programme” held on June 17, 2021 organized by the Department of Zoology, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712 147, West Bengal.

Paper Presentation in seminar/conference/symposium/workshop/discussion meeting

1. Oral Presentation on *“Pursuing Eco-Friendly Methods: Assessing Health Consequences and Air Pollution Control Measures”* in the 3rd International Conference on Environment Forestry and Sustainable Agriculture, held on November 29-30, 2024 Jointly organized by the International Academy of Science and Research (IASR), Kolkata, Scientific and Environmental Research Institute (SERI), Kolkata and Confederation of Indian Universities (CIU), New Delhi.
2. Oral Presentation on *“Challenges of Online Education in Rural Areas of Hooghly District of West Bengal in the Era of COVID 19 Pandemic”* in the International Multidisciplinary Webinar on Impact of COVID 19 on Higher Education System, held on August 06-08, 2021 Jointly organized by the Confederation of Indian Universities (CIU), New Delhi, Govt. Kamala Raja Girls Post Graduate (Autonomous) College, Gwalior, Madhya Pradesh and International Benevolent Research Foundation (IBRF), Kolkata, West Bengal.
3. Oral Presentation on *“Use of Natural Substrate in Increasing the Production of Periphyton and Plankton in Fish Pond for Sustainable Aquaculture”* in the International Conference on New Challenges and Dimensions of Ecology and Environment, held on April 02-03, 2021 Jointly organized by the Indian Institute of Ecology and Environment (IIEE), New Delhi, International Academy of Science and Research (IASR), Kolkata, Scientific and Environmental Research Institute (SERI), Kolkata and Department of Zoology, Govt. Degree College, Doda, Jammu & Kashmir.
4. Oral Presentation on *“Changing livelihood and management of mental health challenges due to the COVID-19 pandemic”* in the International e-Conference on Coping with COVID-19: Sustainable living in the era of pandemic, held on June 15-16, 2020 Jointly organized by the IQAC, Belda College, West Bengal, India and Bangladesh Open University, Bangladesh.

Participation in faculty development programmes

1. National Level Faculty Development Programme on *“NEP (2020) Orientation & Sensitization Programme”* under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) from 02/07/2024 to 10/07/2024, organized by UGC Malaviya Mission Teacher Training Centre, Aligarh Muslim University, Aligarh.
2. DBT STAR College Scheme sponsored online Faculty Development Programme on *“MOOCs, E-Content and Open Educational Resources (Design, Develop and Deliver)”* from 08/12/2023 to 14/12/2023, organized by Durgapur Government College.
3. Refresher Course on *“Environmental Studies”* from 16/08/2023 to 29/08/2023, organized by UGC-Human Resource Development Centre, Aligarh Muslim University.
4. One week National Level Faculty Development Programme on *“Transformation in Indian Education through New Education Policy- Challenges and Opportunities”* from 05/07/2021 to 11/07/2021, organized by Government First Grade College for Women, Balmatta, Mangaluru in association with St Aloysius College (Autonomous), Mangaluru, Under Paramarsh Scheme

- sponsored by UGC.
5. Training workshop on "*Resilience Pathways for Natural and Manmade Disasters*" from 22/02/2021 to 24/02/2021, jointly organized by National Institute for Disaster Management (NIDM), GOI and Sharda University.
 6. Faculty Development Programme on "*Good Laboratory Practices*" from 08/02/2021 to 12/02/2021 organized by Department of Life Sciences, School of Basic Sciences and Research, Sharda University.
 7. Faculty Development Programme on "*Research Methodology*" from 01/10/2020 to 15/10/2020, organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Human Resource Development (MHRD).
 8. Refresher Course on "*Information & Communication Technology*" from 24/08/2020 to 05/09/2020, organized by UGC- Human Resource Development Centre, University of Hyderabad.
 9. Induction/Orientation Program for "*Faculty in Universities/Colleges/Institutes of Higher Education*" from 26/06/2020 to 24/07/2020, organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Human Resource Development (MHRD).
 10. Short Term Course on "*Trends and Prospects in Biorefinery*" from 10/06/2020 to 14/06/2020, organized by Department of Biotechnology, NIT Jalandhar.
 11. 7-Days National Level Workshop on "*Exploring Some Aspects of Tagore's Thoughts*" from 15/05/2020 to 21/05/2020, organized by NSS Unit of Burdwan Raj College, West Bengal.

Organization of events (Durgapur Government College)

1. Online Film Screening of Small Documentaries on "*#Generation Restoration*" to celebrate the "*World Environment Day*" organized by Department of Conservation Biology In association with IQAC, DGC on 05/06/2024 ([Organizing Secretary](#))
2. National Level Consortium cum Poster Competition on "*Biodiversity Blueprint: Uniting for Earth's Tapestry*" to celebrate the "*International Day of Biological Diversity*" organized by Department of Conservation Biology In association with IQAC, DGC on 22/05/2024 ([Organizing Secretary](#))
3. One day National webinar on "*Scientific Manuscript and Research Grant Writing*" organized by Department of Conservation Biology In collaboration with IQAC, DGC on 28/02/2024 ([Organizing Secretary](#))
4. Online Special Lecture Series on "*Wildlife management, Bioinformatics and Ecological Modelling*" organized by Department of Conservation Biology in November 2023([Organizing Secretary](#))
5. One day National level webinar on "*Bring them back before there is none*" to commemorate the "*International Day of Biological Diversity*" jointly organized by Department of Conservation Biology along with IQAC, DGC on 22/05/2023([Organizing Secretary](#))
6. One day State level seminar cum Awareness Programme on "*Save the Pangolins*" jointly organized by Department of Conservation Biology along with IQAC, DGC under the patronage of West Bengal Zoo Authority on 23/02/2023([Member of the Organizing Committee](#))
7. One day State level seminar on "*Conservation of Life in Land and Water*" jointly organized by

P.G. Department of Conservation Biology and IQAC, Durgapur Government College on 05/01/2023([Member of the Organizing Committee](#))

8. Six days e-Workshop on “*Statistical and Geospatial Techniques in Biology*” jointly organized by P.G. Department of Conservation Biology and IQAC, Durgapur Government College from January 17 to 22, 2022 ([Organizing Secretary](#))
9. State level Online Quiz Competition “*OUR CROAKING NEIGHBOURS*” Jointly organized by Department of Conservation Biology and IQAC, Durgapur Government College and Durgapur Wildlife Information & Nature Guide Society (WINGS) from 28/08/2021 to 29/08/2021([Member of the Organizing Committee](#))
10. One day National Webinar on “*Think Green, Live Green*” to commemorate the “*Van Mahotsav Week*” jointly organized by the IQAC and P.G. Department of Conservation Biology, Durgapur Government College on 7th July, 2021 ([Member of the Organizing Committee](#))
11. “*One day state level online training program and webinar on Yoga*” jointly organized by the Department of Bengali and NCC Unit, Durgapur Government College on 21st June, 2021 ([Convener of the Organizing Committee](#))
12. One day webinar on “*Biodiversity of Bengal: Least Trodden trails*” jointly organized by the IQAC and P.G. Department of Conservation Biology, Durgapur Government College on 22nd May, 2021 ([Member of the Organizing Committee](#))
13. National level e-poster competition in COVID-19 lockdown on “*March towards better future with clean environment*” jointly organized by IQAC and P.G. Department of Conservation Biology, Durgapur Government College and Durgapur Wildlife Information and Nature Guide Society(WINGS), from June 5 to June 12, 2020 ([Organizing Secretary](#))
14. Webinar on “*Necessity of Biodiversity Conservation: Relevance to Modern World*” organized by the Department of Conservation Biology, Durgapur Government College on 27th May, 2020 ([Member of the Organizing Committee](#))
15. Closing Ceremony of the “*Golden Jubilee Celebration*” of the Durgapur Government College on 14th January 2020 ([Member of the Organizing Committee](#))
16. One day National Seminar on “*Modern Era of Bio-Sciences: Lab To Land*” Commemorating Golden Jubilee (50 years) Celebration of Durgapur Government College Organized by Departments of Conservation Biology and Zoology Durgapur Government College on December 5, 2019 ([Member of the Organizing Committee](#))
17. Seminar for the observance of the “*Celebration of Bi-Centenary Birth Anniversary of Pandit Iswar Chandra Vidyasagar*” at Durgapur Government College (Nodal College of Paschim Bardhaman) on 26th September 2019 ([Member of the Organizing Core Committee](#))
18. DSTBT-GoWB sponsored National Seminar “*Contemporary Era of Sciences: Biological and Chemical Interface*” organized by the Departments of Botany, Chemistry, Conservation Biology and Zoology, Durgapur Government College on March 26-27, 2019 ([Member of the Souvenir and Poster Abstract Committee](#))

Participation in committees of Durgapur Government College since 2017

1. NAAC Steering Committee (Member-2019-20)
2. AISHE & NIRF Data compilation Cell (Member-2019-20)
3. Admission Committee (Member-2019-20)
4. Committee for Office Automation Software (Jt. Convener-2019-20)
5. Admission Committee (Jt. Convener-2020-21)
6. Examination Committee 6th Semester (Jt. Convener-2022-23)
7. Examination Committee 6th Semester (Jt. Convener-2023-24)