DR. SAGARIKA MUKHERJEE

M.Sc, Ph.D.

Contact No: 7001675213

E-mail: sagarikamukherjee02@gmail.com

Google Scholar: https://scholar.google.com/citations?hl=en&user=EKN7YT0AAAAJ

ResearchGate: https://www.researchgate.net/profile/Sagarika-Mukherjee

CAREER OBJECTIVE

To secure a full-time Assistant Professor position at a reputed academic institution where I can effectively contribute to teaching, mentoring, and research in Zoology and Environmental Science. I aspire to foster an engaging learning environment while pursuing high-quality interdisciplinary research in water quality assessment, aquatic ecology, biodiversity conservation, and environmental monitoring through collaborative projects, funded research, and scientific publications.

ACADEMIC QUALIFICATIONS

Examination / Award	Board / University	Year of Passing	Percentage
Ph.D.	Kazi Nazrul University	2026	NA
M.Sc in Zoology	Visva Bharati	2017	79.20%
B.Sc (Hons.) in Zoology	The University of Burdwan	2015	69.3%
Higher Secondary (10+2)	WBCHSE	2012	73.4%
Madhyamik (10th)	WBBSE	2010	84.8%

Ph.D. Thesis Title: Studies on seasonal variation of the water quality and the diversity of associated arthropods of river Nunia, a tributary of river Damodar (Paschim Bardhaman, West Bengal, India).

ELIGIBILITY EXAMS QUALIFIED

• Qualified Joint CSIR-UGC NET JRF, December 2019, On 23.01.2020 (AIR-80)

• Qualified West Bengal SET-2017, On 06.06.2018

TEACHING EXPERIENCE

Name of the Organization	Name of the Post	Joined From	Joined Up to
Bidhan Chandra College, Asansol Department of Zoology	State Aided College Teacher - I	01.01.2020	Continuing
Indira Gandhi National Open University	Academic Counsellor	22.01.2025	Continuing
Bidhan Chandra College, Asansol Department of Zoology	Guest Lecturer	01.08.2017	31.12.2019
Kazi Nazrul University Department of Animal Science	Guest Lecturer	14.02.2019	17.12.2019

RESEARCH EXPERIENCE

• Research Scholar at Kazi Nazrul University, Department of Animal Science (18.12.2019 – Till Date).

RESEARCH PUBLICATIONS

Research Publications Related to the Thesis:

- Conference Paper: **Mukherjee, S**., & Paramanik, M. (2023). Water quality and pollution status of River Nunia, at Asansol, West Bengal. Trends in Sustainable Design, Technology and Innovation - Proceedings of the International Career Outreach Conference, 2022. Red'Shine Publ. Pvt. Ltd., India, 32-39.
- Review Article: **Mukherjee, S**., & Paramanik, M. (2024). Discussion and evaluation of water quality in river systems of West Bengal, India: An assessment of physicochemical and biological parameters as markers of water quality. Journal of Biodiversity and Environmental Sciences, 24(5), 8-23.
- Research Article: **Mukherjee, S**., Paramanik, S., & Paramanik, M. (2024). Insights into the phenomenon of foam formation in River Nunia at Ghagurburi. Science and Culture, 90(7-8), 298-301.
- Research Article: **Mukherjee, S**., & Paramanik, M. (2025). Spatial Heterogeneity of Water Quality Parameters Across a Six-Site Longitudinal Gradient in the Nunia River. Eastern India. RESEARCH REVIEW International Journal of Multidisciplinary, 10(1), 341-351.
- Research Article: **Mukherjee, S**., & Paramanik, M. (2025). Arthropod Diversity of Nunia River (West Bengal, India): Impacted by Ecological and Water Quality Parameters with Water Velocity serving as a Secondary Driver in a Pollution-Dominated System. Journal of Biodiversity and Environmental Sciences, 27(5), 104-124.

Additional Research Publications:

- Research Article: **Mukherjee, S**., & Paramanik, M. (2022). Impact of Durga idol immersion on water bodies with early and late removal of idols in Asansol, West Bengal, India. International Journal of Zoological Investigations, 8(1), 152-161.
- Research Article: Paramanik, M., Paramanik, S., **Mukherjee, S**., Kapuri, R., & Dasmodak, S. (2022). Larvicidal efficacy of the leaf and flower extracts of Tropaeolum majus L. (Tropaeolaceae) against the vector of lymphatic filariasis. International Journal of Mosquito Research, 9(2), 26-29.
- Research Article: **Mukherjee, S**., Paramanik, S., Paramanik, M. (2022). The repercussion of a transformed environment on the diversity and abundance of common Avifauna in the Asansol - Burnpur industrial zone, West Bengal, India. Environment and Ecology, 40(4B), 2499-2507.
- Research Article: Paramanik, S., **Mukherjee, S**., Kapuri, R., Dasmodak, S., & Paramanik, M. (2022). Evaluation of mosquito larvicidal potency of leaf and fruit extracts of Olax scandens Roxb. against the vectors of dengue and lymphatic filariasis. International Journal of Mosquito Research, 9(6), 27-32.
- Book Chapter: **Mukherjee, S**., Paramanik, M., Paramanik, S., Dasmodak, S., Rajak, P., & Ganguly, A. (2024). Acid Mine Drainage: A Silent Threat to Environmental Health and Its Journey Toward Sustainable Management. Ecosystem Management: Climate Change and Sustainability, Scrivener Publishing LLC, Wiley, USA, 493-518.
- Book Chapter: Ganguly, A., Nanda, S., Das, K., Ghanty, S., Biswas, G., Mandi, M., **Mukherjee, S**., Paramanik, M., Rajak, P. (2024). Micropollutants in Environment: Sources, Ecotoxicity, and Strategies for Remediation. Ecosystem Management: Climate Change and Global Sustainability, Scrivener Publishing LLC, Wiley, USA, 453-592.
- Book Chapter: Paramanik, S., Dasmodak, S., **Mukherjee, S**., Rajak, P., & Paramanik, M. (2024). Non-target Toxicity of Neonicotinoid Insecticides Impeding the Behaviour and Population of Bees. Neonicotinoids in the Environment: Emerging Concerns to the Human Health and Biodiversity, Springer Nature, Cham, Switzerland, 63-73.

- Book Chapter: Dasmodak, S., Paramanik, S., **Mukherjee, S**., Paramanik, M. (2024). Food Chain Contamination by Neonicotinoids - A Matter of Concern. Neonicotinoids in the Environment: Emerging Concerns to the Human Health and Biodiversity, Springer Nature, Cham, Switzerland, 111-124.
- Research Article: Paramanik, S., **Mukherjee, S**., Paramanik, M. (2024). Phytoconstituent analysis of petroleum ether leaf extracts of Olax scandens and study of its mosquito larvicidal potency. Science and Culture, 90(7-8), 302-305.
- Research Article: Dasmodak, S., Paramanik, S., Kapuri, R., **Mukherjee, S**., & Paramanik, M. (2024). A natural weapon against lymphatic filariasis and dengue vectors: The larvicidal potential of Leonurus sibiricus L. International Journal of Mosquito Research, 11(5), 92-98.
- Research Article: Dasmodak, S., Paramanik, S., **Mukherjee, S**., Kapuri, R., & Paramanik, M. (2025). Discarded Paper Cups Evolving as Potential Breeding Place for Dengue Vector Aedes, an Entomological Study from Bankura (West Bengal, India). Indian Journal of Natural Sciences, 16(93), 103405-103412.

PAPERS PRESENTED IN SEMINARS / CONFERENCES / SYMPOSIA

- Poster Presentation at "1st International Career Outreach Conference on Trends in Sustainable Design, Technology, and Innovation", Organized by Microsystem Design-Integration Lab, Bidhan Chandra College, Asansol, November 26-28, 2022. (Title: Water quality and pollution status of River Nunia, at Asansol, West Bengal.)
- Oral Presentation at 5th Regional Science & Technology Congress, 2022-2023, Organised by DST Govt of West Bengal, January 06-07, 2023. (Title: Insights of River water pollution in the river Nunia, Paschim Bardhaman, West Bengal, India.)
- Oral Presentation at "International Conference on Opportunities and Challenges in Biological Science and Sports Science", Organized by IQAC, Gushkara Mahavidyalaya, 5- 6 March 2023. (Title: Status of heavy metal contamination of River Nunia, Paschim Bardhaman, West Bengal.)
- Oral Presentation at 6th Regional Science & Technology Congress, 2023-2024, Organised by DST Govt of West Bengal, January 9-10, 2024. (Title: Assessing the Influence of coal mines on Water Quality focusing on heavy metal pollution and Hemipteran diversity of river Nunia: A case study.)
- Oral Presentation at "International Conference on Natural Sciences and Engineering for Sustainable Development" Organized By: Centre for Organic Spintronics and Optoelectronics Devices (COSOD) in Collaboration with Department of Physics, Kazi Nazrul University, Asansol, West Bengal, India, 6-7 March, 2024. (Title: Insights into the Phenomenon of Foam Formation in River Nunia at Ghagarburi Site.)
- Poster Presentation at "International Conference on Global Approaches in Agricultural Biological, Environment and Life Sciences for Sustainable Future (GABELS-2024)", held at DAV College (Tribhuvan University), Kathmandu, Nepal. June 08-10, 2024. (Title: River water pollution with special reference to heavy metal pollution in the industrial stretch of a riverine ecosystem in West Bengal, India.)
- Poster Presentation at "International Conference on Cutting-edge Research Innovation in Sustainable Education, Environment & Agriculture (CRISEA-2025)" held at Goa University, India. February 24-26, 2025. (Title: A Comprehensive Site-Specific Analysis of Water Quality Dynamics in the Urban site and Semi-urban Coal mine surrounded Site of River Nunia, a Tributary of the Damodar River, West Bengal, India.)
- Oral Presentation at "10th International Conference on Climate Smart Natural Resource Management for Sustainable Agriculture and Allied Sciences (CSNRM-2026)" held at Asian Institute of Technology (AIT), Bangkok, Thailand. June 05, 2026. (Title: Assessing Confluence-Driven Water Quality Recovery in an Urban-impacted Tributary: A Case Study of the Nunia River, West Bengal, India)

COMPUTER PROFICIENCY

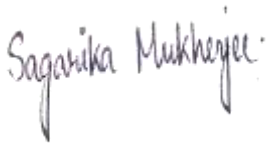
• Diploma course from Asansol Youth Computer Training Centre.
• Certificate of NCVT.

PERSONAL DETAILS

Date of Birth:	**02/03/1994**
Gender:	Female
Nationality:	Indian
Marital Status:	Married
Father's Name:	Late Subhash Mukherjee
Mother's Name:	Mrs. Dharitri Mukherjee
Spouse's Name:	Mr. Writam Rout
Address:	Satyajit Nagar, Near B.C.College (East), Asansol - 713304, Dist- Paschim Bardhaman, West Bengal, India
Languages Known:	Bengali, English, Hindi

DECLARATION

I hereby declare that the above information is true and correct to the best of my knowledge.



Place: Asansol:
Date: 24-07-2026

(Dr. Sagarika Mukherjee)