

<b>Personal Profile</b>	
Name	<b>Sagarika Mukherjee</b>
Address with email	<p><b>Present Add:</b> House Name: Sagarika, Satyajit Nagar, Near B.C.College (East). Asansol-713304.Dist: Paschim Bardhaman, West Bengal, India</p> <p><b>Permanent Add:</b> House Name: Sagarika, Satyajit Nagar, Near B.C.College (East). Asansol-713304.Dist: Paschim Bardhaman, West Bengal, India</p> <p>Email: sagarika@bccollegeasansol.ac.in</p>
Date of Joining	01.08.2017
Teaching Experience	7 Years.
Topics Taught	Classical Zoology, Molecular Biology, Immunology, Evolutionary Biology, Applied Zoology, Biological Instrumentation, Medical Zoology, Entomology etc.
Research Experience	5 Years
Research Area	Entomology, Environmental Monitoring related research
Award and Recognition (if any)	West Bengal SET IN 2017 Joint CSIR-UGC NET JRF in 2019
Membership	Eco-Club (Bidhan Chandra College)
Other Activity	Social Awareness and Welfare activity.
List of Publications	Research Articles 1. <b>Mukherjee S</b> , 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.

<https://doi.org/10.22271/23487941.2022.v9.i2a.597>

2. Paramanik M, Paramanik S, **Mukherjee S**, Kapuri R, Dasmodak S. Larvicidal efficacy of the leaf and flower extracts of *Tropaeolum majus* L. (Tropaeolaceae) against the vector of lymphatic filariasis. International Journal of Mosquito Research,2022;9(2):26-29.  
<https://doi.org/10.22271/23487941.2022.v9.i6a.637>
3. Paramanik S, **Mukherjee S**, Kapuri R, Dasmodak S, Paramanik M. Evaluation of mosquito larvicidal potency of leaf and fruit extracts of *Oxalis scandens* Roxb. against the vectors of dengue and lymphatic filariasis. International Journal of Mosquito Research,2022;9(6):27-32
4. **Mukherjee S**, Paramanik S, Paramanik M. 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,2022;40(4B):2499-2507.
5. **Mukherjee S**, Paramanik M. Discussion and evaluation of water quality in river systems of West Bengal, India: An assessment of physiochemical and biological parameters as markers of water quality. Journal of Biodiversity and Environmental Sciences,2024;24(5):8-23
6. **Mukherjee S**, Paramanik S, Paramanik M. Insights into the phenomenon of foam formation in river Nunia, at Ghagarburi. Science and Culture,2024;90(7-8) 294-297.
7. Paramanik S, **Mukherjee S**, Paramanik M. Phytoconstituent analysis of petroleum ether leaf extracts of *Oxalis scandens* and study of its mosquito larvicidal potency. Science and Culture,2024;90(7-8) 302-305.

Book Chapter:

1. **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, 26th - 28th November 2022. Red'Shine Publ. Pvt. Ltd., India (ISBN: 97893-5879-479-3), 32-39.
2. **Mukherjee S**, Paramanik M, Paramanik S, Dasmodak S, Rajak P, Ganguly A. Acid Mine Drainage: A silent threat to Environmental Health and its Journey Towards Sustainable

Management. Ecosystem Management, 2024, Scrivener Publishing LLC, 493-518.

3. Ganguly A, Nanda S, Das K, Ghanty S, Biswas G, Mandi M, **Mukherjee S**, Paramanik M, Rajak P. Micropollutants in Environment: Sources, Ecotoxicity, and Strategies for Remediation. Ecosystem Management, 2024, Scrivener Publishing LLC, 453-492.

### **Seminars/Symposium/Workshop Participated / Presented:**

1. Participated National conference on frontier areas of Research and Application using electron microscopy, sponsored by DST, PURSE Program, Organised by Siksha Bhavana and Palli Siksha Bhavana, Visva-Bharati on March 16, 2018.
2. Participated in Symposium on Human Genetics: Population and Disease and Workshop on Thalassemia. Organized by the Department of Zoology, The University of Burdwan, 24-25 August 2018.
3. Participated in Skill Development Programme on Analytical Techniques and Instrumentation for Water Quality Assessment, Organized by CSIR-CMERI, Durgapur, 16-17 January 2020.
4. Participated ADDA sponsored International Seminar on Advancements in chemical sciences: issues and Challenges, organized by the Department of Chemistry, Bidhan Chandra College, Asansol, 4-5 February 2020.
5. Attended DST-SERB Sponsored Training on Morphological and Molecular Identification of Culicoides Vectors of bluetongue Virus Organised by Department of Zoology, The University Of Burdwan, 2-3 April, 2022.
6. Presented Poster in 1<sup>st</sup> International Career Outreach Conference in Trends in Sustainable Design, Technology, and Innovation, Organized by Microsystem Design-Integration Lab, Bidhan Chandra College, Asansol, 26-28 November 2022.  
**(Poster Title: Water quality and pollution status of River Nunia, at Asansol, West Bengal.)**
7. Oral Presentation at 5<sup>th</sup> Regional Science & Technology Congress, 2022-2023, Organised by The University of Burdwan and DST Govt of West Bengal, 06-07 January, 2023.  
**(Presentation Title: Insights of River water pollution in the river Nunia, Paschim Bardhaman, West Bengal, India.)**

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|  | <p>8. Oral Presentation at international Conference on Opportunities and challenges in Biological Science and Sports Science, Organized by IQAC, Gushkara Mahavidyalaya, 5-6 March, 2023.<br/><b>(Presentation Title: Status of heavy metal contamination of River Nunia, Paschim Bardhaman, West Bengal)</b></p> <p>9. Oral Presentation at 6<sup>th</sup> Regional Science &amp; Technology Congress, 2023-2024, Organised by DST Govt of West Bengal, 9-10 January 2024.<br/><b>(Presentation Title: Assessing the Influence of coal mines on Water Quality focusing on heavy metal pollution and Hemipteran diversity of river Nunia: A case study)</b></p> <p>10. Presented Poster in 2<sup>nd</sup> International Seminar on Present Scenario of Chemistry Biology Interface Research: Issues and Challenges, Organized By Department of Chemistry Bidhan Chandra College, Asansol, 19 January 2024.<br/><b>(Poster Title: Impact of COVID-19 Lockdown on Air Quality in three urban agglomerations of West Bengal, India.)</b></p> <p>11. 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.<br/><b>(Presentation Title: Insights into the Phenomenon of Foam Formation in River Nunia at Ghagarburi Site)</b></p> <p>12. Presented Poster at International Conference on Global Approaches in Agricultural Biological, Environment and Life Sciences for Sustainable Future (GABELS-2024)" held at Buddha Hall, D.A.V. College (Tribhuvan University) Kathmandu, Nepal. 08-10 June, 2024.<br/><b>(Poster Title: River water pollution with special reference to heavy metal pollution in the industrial stretch of a riverine ecosystem in West Bengal, India)</b></p> |
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