

# Sugata Datta

## Contact Information:

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## Career Objective

Accomplished microbiologist and educator with expertise in Environmental Toxicology and Molecular Biology, committed to advancing scientific research and delivering exceptional academic instruction to foster student success and innovation.

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## Professional Experience

### SACT-1

Sarsuna College | 11th August 2011 – Present

- Teaching undergraduate and postgraduate courses in Microbiology, Biochemistry, and Molecular Biology.
- Designing and delivering comprehensive lesson plans to enhance student learning and engagement.

### Guest Lecturer

Dumdum Motijheel College | 7 years

- Provided high-quality instruction in Microbiology and related subjects.
  - Collaborated with faculty on curriculum development and student assessments.
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## Education

- **Ph.D. in Environmental Sciences** | 2024  
*Amity Institute of Environmental Sciences, Amity University, Noida*  
*Thesis: Leaching of chemicals from plastic containers into food and toxicity assessment.*
  - **M.Sc. in Microbiology** | 2011  
*West Bengal State University*
  - **B.Sc. in Microbiology** | 2009  
*University of Calcutta*
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## Research Interest

Environmental Toxicology with a focus on chemical leaching from plastic containers and associated toxicity.

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## Publications

- **Nature Environment and Pollution Technology (2024):**  
"A Comparative Review on Bisphenol A Sources, Environmental Levels, Migration, and Health Impacts in India and Global Context."  
(Co-authors: A. Chauhan, A. Ranjan, A. H. Sardar, T. Jindal)
  - **Nature Environment and Pollution Technology (2024):**  
"Bisphenol A in Indian Take-Out Soups: Compliance, Implications and Sustainable Solutions."  
(Co-authors: A. Chauhan, A. Ranjan, A. H. Sardar, T. Jindal)
  - **Journal of Experimental Biology and Agricultural Sciences (2023):**  
"Assessing the Migration of BPA and Phthalic Acid from Take-out Food Containers: Implications for Health and Environmental Sustainability in India."  
(Co-authors: A. Chauhan, A. Ranjan, A. H. Sardar, T. Jindal)
  - **Journal of Experimental Biology and Agricultural Sciences (2022):**  
"Plastic Waste in India: Overview, Impact, and Measures to Mitigate."  
(Co-authors: A. Chauhan, A. Ranjan, A. H. Sardar, T. Jindal)
  - **IOSR Journal of Environmental Science, Toxicology and Food Technology (2016):**  
"A Geographical and Microbiological Assessment of Ganga Water in and Around Dakshineswar Area, West Bengal."  
(Co-authors: Jhulan Basu, Lopamudra Bagchi)
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## Conferences

1. **International Conference on Education and Health (ICEH-2023):**  
"Determination of BPA and Phthalic Acid in Food Simulants from Packaged Food Containers Using HPLC-UV and Toxicity Assessment: A Migration Study."  
Organized by Dr. Ashok Foundation, Rishikesh, Uttarakhand, India.
2. **International Conference on the Role of AI and Multidisciplinary Research in Shaping Sustainable Future (2024):**  
"Assessing Risks in Food Delivery Packaging in India: BPA and Phthalates Migration."  
Organized by Kaaf University College, Ghana, in collaboration with IISE and Science Tech Institute, Lucknow, UP.
3. **Climate Induced Hydrological Disasters, Policies and Management (2021):**  
"Monitoring the Risk Evaluation of Bisphenol A (BPA) Migration from Plastic Containers into Packaged Food."  
Organized by Amity Institute of Environmental Sciences and Amity School of Engineering and Technology.

4. **Global Sustainability Summit: The New Normal (2020):**  
*"Migration of Bisphenol A (BPA) from Different Plastic Containers Used in Food Packaging and Mutagenicity Assessment Using Ames Test."*  
Organized by Amity Institute of Environmental Sciences and Amity Institute of Ecotoxicity and Safety Management, Amity University, Noida, Uttar Pradesh.
  5. **Recent Trends in Microbiology (2017):**  
*"A Geographical and Microbiological Assessment of Ganga Water in and Around Dakshineswar Area, West Bengal."*  
Organized by Ramakrishna Mission Vidyamandira.
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## **Skills**

- Microbiology, Biochemistry, Molecular Biology
  - Environmental Toxicology
  - Research and Publication
  - Academic Instruction
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## **Achievements**

- Qualified GATE examination in Life Science in the year 2013.
- Qualified UGC-NET examination in the year 2020.
- Successfully mentored students to excel in academic and research-oriented endeavors.
- Published impactful research on environmental and microbiological studies.