

# Dr. Sabyasachi Ghosh

(M.Sc., Ph.D.)

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**QUALIFICATIONS-** Ph.D.; M.Sc. (Biochemistry) from UNIVERSITY OF KALYANI

**RESEARCH AREA:** Nanobiotechnology, Environmental Chemistry, Food Safety, Plant Protection, Screening of Phytochemicals.

## NO OF PUBLICATIONS –

Article: 11 international publications (one of them in Scientific Reports, Chemosphere, Journal of Nanostructure in Chemistry, *ACS Sustainable Chem. Eng.*, Heliyon, Results in Chemistry, etc.)

Book Chapter: 3

Conference Paper: 14

## Ph.D. and M.Sc. SUPERVISION

### Ph.D. Students

1. Student Name: Supriya Kumar Bose

Thesis Title: Study and characterization regarding phytoremediation potentiality of *Tagetes erecta* Linn. To decontaminate the fly ash polluted soil (Pre-Submission).

2. Student Name: Sapna Mandal

Thesis Title: Evolution of the capacity of bacteria-bacteria association to remove heavy metals from polluted soils (Pre-Submission).

3. Student Name: Aparna Chaudhuri

Thesis Title: In-silico approach for screening several inhibitory phyto-chemicals and peptide based vaccination against dengue and chikungunya viruses (Pre-Submission)

4. Student Name: Arpita Chakraborty

Thesis Title: Assessment of heavy metal bioremediation potential of algae And Bacterial consortium from wastewater

### M.Sc. Students

Number: 2 (Completed); 6 (Ongoing)

## **AWARDS/ ACHIEVEMENTS:**

1. Excellence Award for Research (2024) by the Education Research & Development Association (ERDA).
2. 'JURY MEMBER' in India International Science Festival - 'Young Scientist Conference' (IISF-YSC-2023) organized by the Ministry of Science and Technology, Ministry of Earth Sciences, Department of Space and Department of Atomic Energy in partnership with Vijnana Bharati from 17<sup>th</sup> to 20<sup>th</sup> January 2024 at DBT THSTI - RCB Campus, Haryana.
3. "INSC Young Researcher Award – 2022";
4. Best Poster Presentation Awards in the national Symposium (Year-2018) on "Plant Health Management for Food Security and Safety" at Bidhan Chandra Krishi Viswavidyalaya, Kalyani, Nadia, WB, India;
5. Travel grant by Ministry of Science & Technology and Ministry of Earth Sciences, Govt. of India for presenting paper at 4<sup>th</sup> India International Science Festival (IISF-2018), Lucknow, India;
6. Merit Cum Means Scholarship (year-2013) by Govt. of West Bengal.
7. Life Member of the Society for Materials Chemistry (ID: LM 2260)
8. Lifetime Member of the Education Research and Development Association (ERDA) (ID: ERDA/LIFM/1226/1124)
9. Member of American Society for Microbiology (ID: 200481777)
10. Reviewer of Heliyon, Archives of Microbiology, Discover Applied Sciences, International Journal of Food Science, International Journal of Biomaterials, Arabian Journal of Chemistry, InSc International Journal.
11. Organizing Committee Member of four International conference
12. Organizing Committee Member of one National conference
13. Participated in twelve International conference/ Symposium/ Seminar
14. Training & Certification: 12 numbers (likes "Laboratory Quality Management System" as per IS/ISO 17025:2005; "Method Validation in Pesticide Residue Analysis & Measurement of Uncertainty; "Basic Techniques of Pesticide Formulations";
15. Research Associate in the project entitled "Monthly monitoring of recipient drains of grossly polluting industries/industrial clusters" (funded by Central Pollution Control Board, Govt. of India) (Under BCKV).
16. Senior Research Fellow in the project entitled "Residue Study of Avtar and Sprint in Maize, Cotton and Onion" (Under BCKV).
17. Senior Research Fellow in the project entitled "Chloropyriphos 20% EC on brinjal & Paddy and Dinotefuran 20% SG on cotton & Paddy" (Under BCKV).
18. Senior Research Fellow in the project entitled "Buprofezin (25% SC) Residue in/on Rice and Chilli in West Bengal" (Under BCKV).
19. More than five years work experienced as Analyst in NABL accredited Lab (Export Testing Laboratory, Dept. of Ag-Chemicals, BCKV).