

**DEBINA BHATTACHARYYA**

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**ACADEMIC QUALIFICATION**

- August 2020- Present    **Doctor of Philosophy**  
Indian Institute of Science Education and Research Kolkata
- July 2017-May 2019    **Masters of Science in Microbiology**  
**72%; First Class**  
St. Xavier's College, Kolkata, West Bengal India
- July 2014- May 2017    **Bachelor of Science (Hons) in Microbiology**  
**76.25%; First Class**  
Acharya Prafulla Chandra College, West Bengal State  
University, West Bengal India

**ACHIEVEMENT**

- December 2020- Qualified Council of Scientific & Industrial Research- National Eligibility Test (CSIR-NET) with All India Rank 73
- *3<sup>rd</sup> prize* in poster presentation at National Symposium on “ADVANCES IN BIOLOGY: EXPLOITATION OF PHYTO-RESOURCES” conducted by Department of Botany Dr. A.P.J. Abdul Kalam Govt. College.

**INTERNSHIP**

Isolation, Identification and Characterisation of Shigella Phage SF15 against *Shigella dysenteriae* from environmental water sample.

Under the guidance of *Dr. Nabanita Giri*, Assistant Professor Department of Microbiology Acharya Prafulla Chanda College.

## **WORK SHOP**

“Molecular Diagnostics: A PCR Based Approach” Conducted by Dr. KPC Life Sciences Pvt. Ltd.

## **SEMINARS ATTENDED & PARTICIPATIONS**

- 106<sup>TH</sup> Indian Science Congress held at Lovely Professional University, Phagwara, Jalandhar.
- SIGMA 2019 conducted by St. Xavier’s College Kolkata SCIENCE ASSOCIATION
- INTERNATIONAL SEMINAR FRONTIERS IN BIOLOGICAL SCIENCES organized by Department of Microbiology St. Xavier’s College Kolkata, Sponsored by Department of Science & technology, GOVT. OF WEST BENGAL, 2019.
- National Symposium on “ADVANCES IN BIOLOGY: EXPLOITATION OF PHYTO-RESOURCES” conducted by Department of Botany Dr. A.P.J. Abdul Kalam Govt. College, 2017.
- National Seminar “Modern Trends in Microbiology Chapter XV” organized by Department of Microbiology St. Xavier’s College Kolkata, 2018.
- Webinar on “Bilateral INDO-US Webinar on COVID Biology”, organized by IISER Kolkata, India, in collaboration with IISc India, University of Colorado and University of Pennsylvania, USA, August 16-19, 2020

## **Current Research**

Understanding anti-viral activities of bio-active compounds derived from *Azadirachta indica* fractions against pan  $\beta$ -Coronavirus

## **Publication**

Sengupta S, Bhattacharyya D, Kasle G, Karmakar S, Sahu O, Ganguly A, Addya S and Das Sarma J (2021) **Potential Immunomodulatory Properties of Biologically Active Components of Spices Against SARS-CoV-2 and Pan  $\beta$ -Coronaviruses.** *Front. Cell. Infect. Microbiol.* 11:729622. doi: 10.3389/fcimb.2021.729622

## **Technical Skills**

PCR	Python	Cell Culture
Flow Cytometry	Histopathology	Mouse Handling
Viral Growth Kinetics Assay	Immunohistochemistry	

## **Project Supervised**

Summer project-

- **Sucheta Dey**, Department of Biophysics, Molecular Biology and Bioinformatics, Rajabazar Science College, University of Calcutta.

- **Sooraj Vasanthan**, Indian Institute of Science Education and Research, Bhopal

**Extra Curriculum Activities**

- Painting, Passed 5th year from, Sarba Bharatiya Kala Kendra, Bangiya Sangeet Parishad
- Rabindra Sangeet and Najrul Geeti Passed 4<sup>th</sup> year from Rudra Bina Sangeet Vidyalaya Sastriya Sangeet Kala Parishad