

# Department of Microbiology



*Department of Microbiology (PG)*



*Department of Microbiology (UG)*

## Accomplishments by the faculty members

**Dr. Arup Kumar Mitra** has received a major DST project in collaboration with Dr. S. Das of Peerless Hospital, along with an industrial project. Tamanna Sultana and Bikram Dhara joined as Ph.D. scholars this year and started working under him.

**Dr. Mahashweta Mitra Ghosh** has received a major DST Project and Ms. Meesha Singh has joined as a Ph.D. scholar this year and is working under her guidance.

**Dr. Anindita Banerjee** has contributed an article to the “Journal of Biomedicine and Pharmacotherapy” published by Elsevier Publication.

**Dr. Arup Kumar Mitra**, Mrs. Debjani Dutta, and Mrs. Lopamudra Roy have published a comprehensive book of Microbiology named “Comprehensive Microbiology” (Publication: Current Book International).

**Dr. Sudeshna Shyam Chowdhury** has published the book, “Fundamentals of Biochemistry”.

**Dr. Madhumita Maitra**, **Dr. Kasturi Sarkar** and **Dr. Anindita Banerjee** have Ph.D. scholars working under their guidance.

The Department hosted the first two chapters of “Frontiers in Biological Sciences”, an international seminar. The first chapter was held on 30th January 2018 and it was graced by eminent scientists. The notable speakers in the first

chapter were Professor Caroline Austin from the Institute for Cell and Molecular Biosciences (UK), Dr. Suvendra Nath Bhattacharya (IICB, Kolkata), Dr. Subhra Chakraborty (NIPGR, New Delhi), Dr. Samir Kumar Pal (S. N. Bose National Centre for Basic Sciences, Kolkata).

The notable speakers in the Frontiers In Biological Sciences 2nd chapter held on 21st August, 2018 were Dr. Ajay Basal (University of Ottawa), Dr. Arkadipta Bakshi (University of Wisconsin, Madison), and Dr. Bidisha Sinha (IISER, Kolkata).

Along with six other professors, Dr. Mitra (as the coordinator) is associated with a national level education programme titled “SWAYAM” which disseminates multi-online open access courses (MOOC). This programme is based on the current choice-based credit system (CBCS) syllabus of the UGC and would be disseminated in 10 different courses.

### Notable achievements by students this year

**Shivranjani Baruah** won the Khorana Scholarship 2018 at the University of California.

**Subham Pal** secured the 1st rank in the ICMR NET examinations.

**Deyasini Chakraborty** cleared the CSIR NET with a rank of 37 in December 2017.

3 of our B.Sc. students secured positions within the top 10 ranks in IIT JAM 2018.

**Aparajita Dutta, Riddhi Basu and Shalini Chakraborty** presented a paper titled “Effectiveness of Microbial Consortia as Biopesticide” at the Department of Ecological Studies of International Centre for Ecological Engineering, University of Kalyani, and secured the 2nd position.

**Rajarshi Roy** of MSc, 1st year gave an oral presentation on the “Management of diseases in *A. esculentus* by exploiting the useful benefits of Microbial Consortia” at the national seminar – New Horizons of Integrative Biology hosted by CU, and secured the 2nd position along with Amrita Maity, Poushali Mondal, Monika Naskar and Sulagna Banerjee.

**Bedaprana Roy, Sohini Roy, Danial Parvez, Debina Bhattacharjee and Meghna Majumdar** were awarded the 3rd prize for poster presentation on “Biotic intervention in increasing shelf life of fruits and vegetables” at the National Symposium on Advances in Biology organised by APJ Abdul Kalam Government College, Kolkata.

**Sagnik Das, Bodhisattwa Ghosh, Medha Basu, Nayan Ghosh, Rishi Basu, Anjoom Nikhat and Anushka Nath** won the prestigious DST Inspire scholarship.

**Anjoom Nikhat** won the JBNSTS and is a scholar there.

**Srijan Das, Saundarya Biswas, Dyutika Banerjee, Anwit Sadhukan and Shuvrangshu Guha** secured the 3rd position in the BITM Rotary Innovation

Hub. They also won “Eureka” along with Nayan Ghosh and Anish Pyne. Eureka is an event in Sigma, the fest organised by our Science Association.

**Anuja Bothra, Roopali Khanna, Bodhisattwa Ghosh, Neha Bera, Aditi Das, Abhishek Goswami** secured the 1st Position at “Innovation Hub” and Somali Mukherjee stood 2nd in “Art is a Culture”. Both are events in Sigma.

**Barnava Banerjee, Nilanjan Bose, Kazi Nafizul Haque and Rumjhum Mukherjee** have received admission in IIT Bombay, Aritra Dutta, Susmita Chakraborty, Tiasha Sen and Sourik Dey have made into IIT Roorke, Ayan Mallick has got into IIT Kharagpur, Shubhankar Saha and Debopriya Mukherjee have got into IISc, Srijan Das from BSc. 2nd Year got selected for the prestigious JNCASR (Jawaharlal Nehru Centre for Advanced Scientific Research) POBE fellowship.

12 students have successfully completed MOOC under Dr. Mitra, Dr. Maitra and Dr. Shyam Choudhury.

