





MAITREYEE SENGUPTA

Research Scholar in Computational and System
Biology Lab, Dept. of Bioinformatics, University of
North Bengal | Master of Science in
Biotechnology | Bachelor of Science in Biotechnology

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PROFILE SUMMARY

- I am presently working as a research scholar in Computational and System Biology Lab, Dept. of Bioinformatics, University of North Bengal
- I have completed my master's degree in Biotechnology from Adamas University

ACADEMICS AND EDUCATION

- **Adamas University**
Master of Science in Biotechnology with **Grade A (CGPA- 8.36)**
Aug 2021-June 2023
- **Adamas University**
Bachelor of Science in Biotechnology with **Grade A (CGPA- 8.61)**
Aug 2018-June 2021

SKILLS AND SPECIALIZATION

- **COMPUTATIONAL SKILLS:**
 - **Programming language:** R(>4.2.0);
 - **Other languages known:** C++ , JAVA ,HTML;
 - **Software package:** PAST software;
 - **Presentation:** MS-Power Point;
 - **OS:** Windows(10,11)
- **BIOTECHNOLOGICAL SKILLS:**
 - Gel electrophoresis and Polymerase Chain Reaction(PCR)
 - Genomic DNA extraction ,Spectroscopy and Haemocytometer
 - Thalassemia testing and Covid-19 testing
 - Laminar air flow and pipetting
 - Observation under UV Transilluminator
 - Artificial seed production

➤ **WORKING PROFICIENCY:**

- Statistical programming ;Gene expression analysis

➤ **SOFT SKILLS:**

- Teamwork;Time management;Presentation;Adaptability

➤ **DISSERTATION**

- **Characterization of cultivable bacteria in bio-aerosol of air conditioner vents in Adamas University**
 - Duration:February,2023 to June,2023
 - Under the guidance of Dr.Soma Ghosh(Assistant Professor),Dept. of Biotechnology,Adamas University
- **Production of alcohol from pineapple waste**
 - Duration:March,2021 to May,2021
 - Under the guidance of Dr.Arпита Das(Assistant Professor),Dept. of Biotechnology,Adamas University

CONFERENCES AND SEMINARS ATTENDED

- Poster presentation entitled "Optimizing combination therapy strategies for DNA topoisomerase inhibitors in cancer treatment" in BIOMEET,2023(1st National Students Conference)in Adamas University, organized by School of Life Science and Biotechnology,Adamas University[10thMay,2023]and secured 2nd position.
- Poster presentation entitled "Indispensable role of microbial fuel cells in sewage treatment and power generation" in BIONEXT,2022(2nd National Conference on "Frontiers in Modern Biology")in Adamas University, jointly organized by School of Life Science and Biotechnology,Adamas University & Maulana Azad College in collaboration with Merck[21st to 23rd September,2022]

COURSES AND CERTIFICATION

- Participation in Skill Development Workshop on IPR:An Industry-Academia Initiative and Inauguration of IPR Cell Supported by DSTBT,Govt. of West Bengal,organized by E Yuva Centre(Supported by BIRAC),Adamas University in association with DSTBT &School of Life Science and Biotechnology,Adamas University[26th -27th April,2023]
- Participation in One month Professional Course on "Food Preservation and Dairy Processing" organized by Microbiologists Society India[10th June,2022-10th July,2022]
- Participation in Online Workshop on Artificial Intelligence and High Performance Computing organized by NIT,Mizoram &IIT,Kharagpur [25th July,2022-29th July,2022]
- Completed a course entitled"Introduction to Computers and Office Productivity Software", certified by The Hong Kong University of Science and Technology(Coursera)

GENERAL EXPERIENCE

- Intern at SEECURE LAB,KOLKATA
- Former trainee intern at Merck,IMTECH Chandigarh
- Intern at Indian Institute of Chemical Engineers(IICChE), Jadavpur

AREA OF INTEREST

- BIOINFORMATICS
- RECOMBINANT DNA TECHNOLOGY
- MOLECULAR BIOLOGY

PERSONAL DETAILS

- | | |
|-------------------|-----------------------------|
| ➤ Nationality | INDIAN |
| ➤ Date of Birth | 11 th March,1999 |
| ➤ Marital Status | Un-married |
| ➤ Languages known | English,Bengali,Hindi |

SELF DECLARATION

I hereby declare that the above mentioned information are true and valid documents will be provided when asked.

Maitreyee Sengupta