NENSINA MURMU

CONTACT

Phone: +91 9593631664
Email: nensinamur75@gmail.com
Address: Jhimuli Village, B.S.F Camp Narayanpur, Malda -732141

EDUCATION

M.Sc. BIOTECHNOLOGY
University of North Bengal, 2018
(First Class 2nd)

B.Sc. MICROBIOLOGY
University of North Bengal, 2015

CLASS 12
CBSE, BSF SR. SEC. SCHOOL, 2009

CLASS 10
ICSE, ST. XAVIER'S SCHOOL, 2007

FELLOWSHIP
NFST FELLOWSHIP for Ph.D, 2019.

RESEARCH EXPERIENCE

RESEARCH SCHOLAR
Department of Physiology
University of Gour Banga (2019 – Present)

TEACHING EXPERIENCE

Guest Lecturer / Teaching Assistant

Worked as a guest lecturer **(Computational Biology, Molecular Biology, and Biotechnology)** in the Department of Physiology, UGB, for certain periods between 2018-2021.

LANGUAGE

English, Hindi, Bengali

PROFESSIONAL SUMMARY

A dedicated and passionate learner with a strong enthusiasm in research and teaching. Currently, I am in my sixth year as a Ph.D. student specializing in medical research and biotechnology. I am eager to contribute my knowledge, expertise and enthusiasm for science to the classroom. I have developed an ability to simplify complex concepts into engaging lesson plans that inspire curiosity and promote critical thinking among students.

CAREER OBJECTIVE

To leverage my research expertise and passion for education to make meaningful contributions in an academic setting.

KEY SKILLS

- **SUBJECT EXPERTISE:** Life Sciences, Biotechnology, Molecular Biology & Genetics, Cell Biology, and Computational Biology
- Curriculum development and innovative learning methods
- Strong communication and presentation skills
- Classroom management and student engagement
- Hands-on experiments and analytical skills
- Proficiency in educational technology, advanced online teaching and learning tools

RESEARCH PUBLICATIONS

1. Functional characterization of thermotolerant microbial consortium for lignocellulolytic enzymes with central role of Firmicutes in rice straw depolymerization. ***Scientific Reports, 2021.***
2. Multifaceted entrancing role of glucose and its analogue, 2-deoxy-D-glucose in cancer cell proliferation, inflammation, and virus infection. ***Biomedicine & Pharmacotherapy, 2022.***
3. Optimization and biochemical characterization of a thermotolerant processive cellulase, PtCel1, of Parageobacillus thermoglucosidasius NBCB1. ***Journal of Basic Microbiology, 2022.***
4. Bactericidal, protozoacidal, and algicidal efficacy of Sanodrink: a complete water sanitizer in poultry farm. ***Biomedicine, 2022.***
5. Efficacy and limitations of repurposed drugs and vaccines for COVID-19. ***Journal of Medicine, Surgery and Public Health, 2023.***
6. Poly-β-thioester-based cross-linked nanocarrier for cancer cell selectivity over normal cells and cellular apoptosis by triggered release of Parthenolide, and anticancer drug. ***ACS Applied Bio Materials, 2024.***

AWARDS

1. Silver Medal (**M.Sc.**)
2. Outstanding Paper Award in Physiology discipline (**30th West Bengal State Science and Technology Congress**)
3. Outstanding Paper Award in Physiology and Medical Sciences including Forensic Sciences (**31st West Bengal State Science and Technology Congress**)