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Ms. Reefa Nawar

Lecturer, Department of Biotechnology & Genetic Engineering

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Biography

Reefa Nawar is a Lecturer in the Department of Biotechnology and Genetic Engineering at United International University. She holds a Bachelor of Science (2022) and a Master of Science (2023) from the Department of Genetic Engineering and Biotechnology at the University of Dhaka. Following her graduation, she was engaged in research investigating the association of potentially deleterious single nucleotide polymorphisms (SNPs) with the occurrence of gestational diabetes mellitus in Bangladeshi women, as well as elucidating their mechanisms of action. She has completed specialized training in biosafety, animal cell culture, and advanced CRISPR-Cas9 genome editing technology. Her exceptional performance in the biosafety and animal cell culture training program earned her the Award of Excellence from the Centre for Advanced Research, University of Dhaka. With a vision to advance her career in academia, Reefa Nawar is committed to creating transformative educational experiences for students while pursuing research. Her future research interests lie in exploring underlying human metabolic disorders.

Education

- Master of Science
Department of Genetic Engineering and Biotechnology
University of Dhaka
Graduated in 2023
GPA 4.00 (on a scale on 4.00)
- Bachelor of Science
Department of Genetic Engineering and Biotechnology
University of Dhaka
Graduated in 2022
GPA 3.99 (on a scale on 4.00)
- Higher Secondary Certificate
Birshrestha Noor Mohammad Public College
Graduated in 2017
GPA 5.00 (on a sclae of 5.00)
- Secondary School Certificate
Birshrestha Noor Mohammad Public College
Graduated in 2017
GPA 5.00 (on a sclae of 5.00)

Experience

- Lecturer
Department of Biotechnology and Genetic Engineering
United International university
(September, 2024 – Current)
- Research Assistant
Department of Genetic Engineering and Biotechnology
University of Dhaka
(January, 2024 – August, 2024)

Research Activities

- Samayeta Sarkar Tuli; Joyatry Sarkar; Mrinmoy Saha Roddur; Anik Biswas; **Reefa Nawar** ; Tahmina Akter; Md. Wahid Murad, Dr Abu A Sajib, –Trajectory of Human Migration: Insights from Autosomal and Non-autosomal Variant Clustering Patterns–; (Under review)
- Thesis (Master of Science) dissertation: Causal association of the GLIS3 and SLC30A8 gene variants with gestational diabetes mellitus in Bangladeshi population and their mechanism of action.
- Project (Bachelor of Science): Metabolic Engineering in *Escherichia coli*

Awards

- Dean’s Award (Nominated for the Session of 2027-2018)
- National Science and Technology Fellowship (2023-2024)
- Award of Excellence for outstanding performance in –Biosafety and Animal Cell Culture Training– (Centre for Advanced Research in Sciences)

Trainings

- Biosafety and Animal Cell Culture, Centre for Advanced Research in Sciences, university of Dhaka
- Genome Editing with CRISPR-Cas9 , Bangladesh Society of Microbiologists
- –Bioinformatics Bootcamp 2.0–, Chiral Bangladesh

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