

# Meherab Mustafa

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<b>Career Objective</b>	Skilled, knowledgeable and qualified biological science student who can grasp new concepts quickly and efficiently. Trying to stay in challenging position to utilize my skills and abilities in the area of education that offers professional growth while being resourceful, innovative and flexible.
<b>Education</b>	<b>University of Dhaka, Dhaka-1000, Bangladesh</b> Master of Science in Botany   January 2024- August 2025 <b>GPA: 4.00 out of 4.00</b>
	<b>University of Dhaka, Dhaka-1000, Bangladesh</b> Bachelor of Science in Botany   January 2018- July 2023 <b>CGPA: 3.80 out of 4.00</b>
	<b>BPATC School and College, Dhaka, Bangladesh</b> Higher Secondary Certificate   Science   2017 GPA: 5.00 out of 5.00
	<b>BPATC School and College, Dhaka, Bangladesh</b> Secondary School Certificate   Science   2015 GPA: 5.00 out of 5.00
<b>Thesis</b>	<b>Biotechnological exploration of pigment producing indigenous bacteria of mangrove environment</b> <b>Objective:</b> Isolation, characterization and identification of bacteria, optimization pigment production condition, conduct antibiotic, antimicrobial and antioxidant test, extraction, analysis chemical composition, evaluation toxicity of purified pigments.
<b>Work Experience</b>	Research fellow   October 2025 - Ongoing Bangladesh Space Research and Remote Sensing Organization (SPARRSO)
	Thesis researcher   January 2024 - July 2025 Bangladesh Council of Scientific and Industrial Research (BCSIR)
<b>Awards &amp; Scholarships</b>	NST Fellowship (National Science & Technology Fellowship) 2024-25
	General Category Scholarship from Biological Science faculty, University of Dhaka (2019-2023)
	Talent pool Category Scholarship in Primary School Certificate examination and Junior School Certificate examination
<b>Laboratory &amp; Research Skills</b>	Graphical analysis, experimental design, prepare scientific report, conduct biochemical tests and molecular characterization, Spectroscopic analysis (FTIR, UV-Vis, HPLC), Microscopic analysis, antimicrobial and antioxidant assays, fertility analysis, plant physiology and anatomical analysis, food security approaches
<b>Additional skills</b>	MS Office (Excel, Word, Powerpoint), MEGA 12, Chromas, Originlab software

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<b>Area of interest</b>	Microbial biotechnology, Soil science, Genomics, proteomics & Bioinformatics, Biostatistics, Molecular ecology and Climate change, Agronomy, Taxonomy & Systematics, Horticulture, Plant physiology, Plant anatomy, Cytology, Plant & seed pathology, Mycology, Hydrobiology, Crop improvement
<b>Co-curricular activities</b>	<p>Enzyme at Bangladesh Biology Olympiad (BDBO)</p> <hr/> <p>Participate at plastic free challenge and plogging organized by Embassy of Sweden</p> <hr/> <p>Participate at R&amp;D project organized by National Science and Technology Ministry</p>
<b>Reference</b>	<p><b>Dr. Mihir Lal Saha</b>            Professor            Department of Botany            University of Dhaka            Contact no: 01711667104            Email: <a href="mailto:sahaml@du.ac.bd">sahaml@du.ac.bd</a></p> <p><b>Dr. Sadia Afrin</b>            Senior Scientific Officer            Bangladesh Council of Scientific and Industrial Research (BCSIR)            Contact no: 01911202609            Email: <a href="mailto:nilabotdu@yahoo.com">nilabotdu@yahoo.com</a></p>

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