

Oloka Shushupti



Lecturer (Soil Science), School of Agriculture and Rural Development (SARD)

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Area of Specialization and Research Interests

Soil microbial ecology, soil and environmental microbiology, soil organic carbon dynamics, biogeochemistry, soil-plant-microbe interactions, spatial data analysis, metabarcoding, metagenomics.

Educational Qualification

- **Master of Science in Environmental Science**, Department of Soil, Water and Environment, Faculty of Biological Sciences, University of Dhaka. (2020-21 session; exam held in: 2022; passing year: 2023) (**CGPA: 3.98/4.00, 2nd Position**).
- **Bachelor of Science in Soil, Water and Environment**, Department of Soil, Water and Environment, Faculty of Biological Sciences, University of Dhaka. (2019-20 session; exam held in 2021; passing year: 2022) (**CGPA: 3.76/4.00, 7th Position**).
- **A-Levels**, Cambridge International Examinations (CIE), Oxford International School, 2016, **3 A*s (>90%), 1 A (>80%)**
- **O-Levels**, Cambridge International Examinations (CIE), Oxford International School, 2014, **4 A*s (>90%), 3 A's (>80%)**

Professional Experiences

- December 2025 - present: **Lecturer (Soil Science)**, School of Agriculture and Rural Development (SARD), BOU.
- May 2025 - November 2025: **Research Associate**, Department of Soil, Water and Environment, Faculty of Biological Sciences, University of Dhaka.
- January 2024 - February 2025: **Lecturer (Adjunct)**, Department of Environment and Development Studies, United International University.
- July 2023 - November 2024: **Research Intern**, Molecular Biology Lab, Department of Biochemistry and Molecular Biology, Faculty of Biological Sciences, University of Dhaka.

List of Publications

1. **Shushupti, O.**, Orpa, R., Tarannum, T., Chitra, N., Suchi, S., & Rahman, M. (2022). Influence of various commercially available organic manures on growth, yield and nutrient accumulation in mint plants (*Mentha sp.*). *Journal of Biodiversity Conservation and Bioresource Management*, 7(1), 73–84. DOI: 10.3329/jbcbm.v7i1.57125
2. Bhattacharyya, S. S., Mondaca, P., **Shushupti, O.**, & Ashfaq, S. (2023). Interplay between Plant Functional Traits and Soil Carbon Sequestration under Ambient and Elevated CO₂ Levels. *Sustainability*, 15(9), 7584. DOI: 10.3390/su15097584

Recognition and Merit Awards

- **Best Poster Award** in “Microbes for Environmental Sustainability” segment at the 39th Bangladesh Society of Microbiologists (BSM) Annual International Conference 2025
- Awarded **National Science and Technology (NST) Fellowship 2022-23** in Biological Sciences from Ministry of Science and Technology

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- Selected as **International Delegate** at International Student Week in Ilmenau 2021 (ISWI) held in Germany (Theme: Climate Change, Environmental Conservation and Sustainability) for the working group “Environmental Protection”



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