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EDUCATIONAL QUALIFICATIONS

M.S. in Botany, National University, Bangladesh 2013

B.S.C in Botany, National University, Bangladesh 2011

PROFESSIONAL EXPERIENCE

Scientific Officer November 2023 – Present
Applied Botany Section, Biological Research Division, BCSIR Laboratories,
Bangladesh Council of Scientific and Industrial Research

Research Chemist November 2018 – November 2023
Applied Botany Section, Biological Research Division, BCSIR Laboratories,
Bangladesh Council of Scientific and Industrial Research

Research Grants (Selected)

Principal Investigator of R&D (MOST): Formulation of Indigenous Aquatic Macrophyte-based Organic Fertilizer (2024–2025)

Associate Investigator: Biofertilizer Formulation with Native Azotobacter strain for Improved Nitrogen Supplementation (2024–2025)

Associate Investigator: Treatment of industrial wastewater by using of microalgae and floating plants (2023–2024)

Training Experiences:

1.Training on operation and maintenance of High-Performance Liquid Chromatography (HPLC), BCSIR 07-11 May, 2023

2.Training on operation and maintenance of Dumas Protein Analyzer & Rapid Fat Analyzer, BCSIR 24-28 October, 2021

3. Training on operation and maintenance of UV-visible Spectrophotometer & Ion Chromatograph, BCSIR 03-07 January, 2021

PUBLICATIONS (Selected)

1. **Haque, N. N**., Alam, M. A., Baidya, A. S., Zenat, E. A., Roy, C. K., Hossain, M. K., & Munshi, J. L. (2024). Heavy metal scavenging potential of indigenous microalgae of Bangladesh: A study on its application in textile effluent treatment. *South Asian Journal of Research in Microbiology*, *18*(7), 58-75.

2. **Haque, N. N**., Alam, M. A., Baidya, A. S., Zenat, E. A., Rahman, M. Z., Roy, C. K., & Munshi, J. L. (2024). Bioremedial capacity of indigenous hydrophytes and microalgae of Bangladesh: A comparative study on their potential in tannery effluent treatment. *Asian Journal of Environment and Ecology*, *23*(6), 53-65.

3. Zenat, M. E. A., **Haque, N. N**., Hasan, M. R., Begum, M. N., Munshi, J. L., Rahman, M. Z., & Alam, M. A. (2024). Antifungal activity of various plant extracts against aspergillus and penicillium species isolated from Leather-Borne Fungus.

4. **Haque, N. N**., Alam, M. A., Roy, C. K., Zenat, M., Akther, E., & Munshi, J. L. Cyanobacteria mediated CO2 segregation: A promising alternative method for sustainable bioremediation and biomass production. *Asian Journal of Research in Biochemistry*, *13*(3), 28-43, 2023.

5. Munshi, J. L., Baksha, R., Rahaman, M. Z., **Huque, N. N**., Zinat, E. A., & Momtaz, N. (2021). In Vitro plant regeneration from leaf explants of Tagetes erecta L. *Bangladesh Journal of Scientific and Industrial Research*, *56*(2), 69-74.

Conference presentation

- ✓ Participated and presented poster presentation at an international conference "**BCSIR Congress-2023**" held at the Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, on 8-10 March, 2024.
- ✓ Participated and presented oral presentation at an international conference "**BCSIR Congress-2022**" (December 2022)

Thesis Supervision

Supervised 3 MS thesis students of Botany.