

MOST. ZAKIYA ISLAM

Lecturer, Department of Agricultural Chemistry
Sher-e-Bangla Agricultural University, Dhaka, Bangladesh



CONTACT

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PROFILES

- ORCID: 0009-0000-7883-5524

SKILLS

- Agrochemical & Pesticide Residue Analysis
- Aflatoxin / Mycotoxin Determination
- Soil, Plant & Food Nutrient Analysis
- HPLC / GC & Laboratory Instrumentation
- Environmental & Food Safety Risk Assessment
- Plant Stress Physiology (Salinity, Abiotic Stress)
- Research Methodology & Data Analysis
- Scientific Writing & Publication
- Lesson Planning & Curriculum Delivery
- Student Engagement & Mentoring
- Administrative & Conflict Resolution

ACHIEVEMENTS

- Dean's Award for Academic Excellence, Level 1–4 (2019 & 2023)
- National Science & Technology (NST) Fellowship (2021)
- UGC Merit Scholarship (2020)
- Nagao Natural Environment Foundation (NEF) Scholarship, Japan (2016)
- Nominated, Prime Minister's Gold Medal (2019)

PERSONAL

- Blood Group: A+

CAREER OBJECTIVE

Dedicated to advancing agricultural chemistry through rigorous, evidence-based research and student-centred teaching. Committed to equipping students with strong analytical and laboratory competencies while contributing high-impact, publication-driven research on agrochemical fate, plant stress physiology, and food safety that supports safer, more sustainable agricultural practices.

WORK EXPERIENCE

Lecturer *Dec 2023 – Present*

Department of Agricultural Chemistry, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

Scientific Officer *Jan 2023 – Dec 2023*

Bangladesh Agricultural Research Institute (BARI), Bangladesh

EDUCATION

M.Sc. in Agricultural Chemistry *2021 · CGPA 4.00/4.00*

Sher-e-Bangla Agricultural University

B.Sc. in Agriculture (Hons.) *2018 · CGPA 4.00/4.00, 1st Position*

Sher-e-Bangla Agricultural University

HSC (Science) *2013*

Gaibandha Govt. College

SSC (Science) *2011*

Gaibandha Govt. Girls' High School

THESIS

Determination of Aflatoxins in Food Grains and Processed Foods from Selected Areas in Bangladesh, with Risk Assessment

SELECTED PUBLICATIONS

- [1] Environmental fate, transformation, and interactions of agrochemicals and micro-nano plastics in agricultural ecosystems
- [2] Absciscic acid priming regulates morphophysiology of wheat to confer salt tolerance
- [3] Effects of zinc fertilization on various mungbean cultivars in the Madhupur Tract of Bangladesh
- [4] Influence of pre-harvest spray of cypermethrin on residual levels and quality of strawberry fruit