

IMTIAJ ALAM

Agriculture Graduate

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PROFESSIONAL EXPERIENCES

- **January 2022- Current, Research Enumerator, CRDS (Center for Resource Development Studies Ltd.)**

1. Conducted Pest Risk Analysis (PRA) of Taro and Elephant Yam in 4 Districts (Rangpur, Thakurgaon, Nilphamari, Dinajpur) of Bangladesh
 2. Conducted PRA of Pineapple in 2 Upazilas(Sreemangal & Kamalganj) of Moulvibazar District of Bangladesh
 3. Conducted PRA of Watermelon in Noakhali, Chittagong of Bangladesh
- The PRAs were developed by the Plant Quarantine Wing of the Department of Agricultural Extension under the Ministry of Agriculture of the Bangladesh Government.

- **June 2019- January 2022, Head of Operations, Greeniculture Agrotech Ltd.**

Oversaw the Implementation of Technology Solutions, Consulted & Interacted with Customers, Accomplished Projects; Formulated Business Strategies, campaigns, budgets; Trained, Mentored & Motivated Team Members.

- **March 2018- February 2019, Landscape Designer, Nagarkrishi.**

Prepared Scientific Landscaping Layouts, Solutions for More than 200 Projects; Provided Farming Consultancy about to 40,000 Urban-farmers in Dhaka; Collaborated with Top 5 Real-Estate Giants.

RESEARCH INTERESTS

- **Agronomy-** Crop-Weed Interaction, Crop Physiology and Production
- **Horticulture-** Organic Agriculture, Hydroponics, Medicinal Plant
- **Plant Pathology-** Microbiology, Biological Control
- **Environmental Science-** Climate Adaptation Agriculture, Agroecology, Urban Vegetation, Sustainable Agriculture
- **Crop Protection-** IPM (Integrated Pest Management), Precision Agriculture
- **Pest Risk Analysis (PRA)**

PUBLICATIONS

- *Md. Rocky, Mamunur Rashid, Imtiaz Alam, Farhan Tahmid, Mahamad Jabed and Md. Belal Hossain. Antifungal potentiality of selected micronutrients, botanicals and fungicides against purple blotch complex pathogens of onion. J Pharmacogn Phytochem 2023;12(6):227-234. DOI: [10.22271/phyto.2023.v12.i6c.14786](https://doi.org/10.22271/phyto.2023.v12.i6c.14786) (acted as a co-author)*

RECENT RESEARCH

- *Md. Rocky, Imtiaj Alam, Farhan Tahmid, Mamunur Rashid, Mahamad Jabed and Md. Belal Hossain.* **Integrated Strategies for Disease Management through Innovative Land Management in combination of Rice Grown with Onion under Raised and Sunken Bed System (RSB).** (On going, I acted as a co-author)

RESEARCH EXPERTISE

- Disease Identification from Field Observation, Survey
- Sample Collection from Plant Parts
- Sample Preservation- Cryopreservation, Lyophilization, using desiccants
- Microscopic Observation- Slide Preparation, Staining, Pathogen Identification
- Surface Sterilization- Preparing 70% Ethanol, Bleach etc.
- Independently Handle Autoclave, Laminar Air Flow & other Necessary Equipment
- Serial Dilution
- Pathogen Isolation, Inoculation, with the help of exact Laboratory Apparatus
- Media Preparation- Nutrient Agar, Potato Dextrose Agar (PDA), V8 Juice Agar, Selective Media etc.
- Pure Culture Media, Sub-culturing
- Pest Risk Analysis (PRA) - Field Survey & Data Collection for Quarantine Pests

SKILLS

- Bilingual(Fluent in Bengali & English)
- Adobe Software Suite- Photoshop, Lightroom
- Microsoft Software Suite- Word, PowerPoint, Excel
- Statistical Analysis (Statistix-10)
- Campaign Management & Presentation
- Programming Language (Python- Basic level)
- Organization- Leadership, Teamwork, Adaptability Management
- Qualitative Research & Developmental Skills for Agricultural Science
- Creativity- Creative Thinking, Writing, Digital Photography and Media

ACADEMIC CAREER

- **BSc. in Agriculture**, Faculty of Agriculture
Sher-e-Bangla Agricultural University
CGPA- 2.94 out of 4 scales.
(January 2016- March 2021)
- **Higher School Certificate**
Science Group, CGPA- 4.75 out of 5 scales,
Dhaka Residential Model College.
Passing Year- 2015
- **Secondary School Certificate**
Science Group, CGPA- 5.00 out of 5 scales,
Dhaka Residential Model College.
Passing Year- 2013