CONTACT INFORMATION

Ryvej 30 C, 8210 Aarhus V, Denmark

mehedi1802300@gmail.com
+45 91 46 73 82
www.linkedin.com/in/mhas1539

EDUCATION

Master's in Agrobiology-Agronomy and Environment
Aarhus University
08/2024 – 07/2026 (expected)

Bachelor of Science in Agriculture
Bangladesh Agricultural University
12/2017 - 04/2023

CORE EXPERTISE

- Life Cycle Assessment (LCA) | Carbon footprinting | GHG accounting
- Environmental impact assessment | Sustainable/organic farming systems

PERSONAL SKILLS

- Fast and active learner
- Independent worker
- Curious mindset
- Willing to learn and openness
- Danish driving license (B)

MEHEDI HASAN

PROFILE

Master's student in Agrobiology – Agronomy & Environment at Aarhus University with experience in sustainability assessment (LCA/GHG accounting), agricultural data analysis, and plant research. My upcoming Master's thesis at AU Agroecology (AU-Viborg) focuses on clover fatigue in mixed crop rotations, assessing how temporal dynamics, grass–clover proportions, and slurry inputs affect yield stability and botanical composition in long-term organic system.

WORK EXPERIENCE

Internship | Innovationcenter for Økologisk Landbrug | 08/2025 – 01/2026 | Aarhus, Denmark|
Title-Carbon Footprint Assessment in Dairy Supply Chains

- Conducted carbon footprint assessments of organic dairy supply chains from farm to fridge using ESGreenTool.
- Improved model accuracy by 14-16% through refined emission inputs and data validation.
- Reviewed and refined methodologies and documentation for consistent, decision-ready reporting (transferable to cultivation data logging and quality control).

University research assistant | Plant Bacteriology and Biotechnology Laboratory | 03/2023 - 07/2024 | Bangladesh|

- Performed molecular identification and gene quantification of parasitic plants and Identified *Phelipanche ramosa in Bangladesh*
- Supported greenhouse trials by documenting growth conditions (e.g., irrigation routines, plant status, and deviations) to ensure reproducible results and reliable plant performance.

LEADERSHIP & ACTIVITIES

Head of Control Board, International Association of Students in Agricultural and Related Sciences (IAAS)| (01/2022 –07/ 2023)

- Lead an international cross-cultural team of 6 countries
- Organized international initiatives by international collaboration
- Managed global communication, conflict resolution, and stakeholder alignment.
- Delivered monthly results on time

General Secretary, Podochinnoh Cultural Organization| (03/2022 – 08/2023)

- Lead a team and organized cultural program
- Designed new themes for program with team

Participant, Asia Pacific Directors Meeting, IAAS Nepal| (05/2023)

- Promoted youth engagement in the agricultural entrepreneurship

Participant, Agri Connect, British Americal Tobacco (BAT) Bangladesh | (12/2022)

- Analyzed real world business case study

DATA ANALYSIS SKILLS

- Microsoft office
- Arc-Gis
- R
- ESGreen Tool

Language Skills

- Bengali: Native
- English: Professional working proficiency
- Danish: Basic (actively learning)

NETWORKS AND MEMBERSHIPS

- **Member of International Parasitic Plant Society** | 05/2023 - Current
- **Life Member, Bangladesh Society for Animal Production Education & Research** | 01/2021 – Current

HOBBIES & INTERESTS

- Driving car and listening music
- Socializing and networking
- Food and Desserts
- Fashion and style

VOLUNTEERING

Executive Member at “Badhon”- A voluntary Blood Donor's Organization |03/2021-04/2024

PROJECTS

Impact of Biochar on Soil Physical Properties in Different Temperate Soils | 10/2024 - 01/2025

- Analyzed biochar's influence on soil structure, porosity, and water retention.

Development of Broomrape targeted mycoherbicides in tobacco funded by BAT, Bangladesh | 03/2023 - 07/2024

- Identified biological control agents *Fusarium oxysporum* and *Pseudomonas* spp. against broomrape spp. in tobacco.

PUBLICATIONS

- **Native Trichoderma Induced the Defense-Related Enzymes and Genes in Rice against Xanthomonas oryzae pv. oryzae (Xoo)** 2023. https://doi.org/10.3390/plants12091864
- **R. Bacterial wilt of tobacco in Bangladesh: A pilot study for assessment of the status, detection of seed-borne nature and genetic variation of its pathogen, Ralstonia solanacearum.** 2023. https://doi.org/10.3329/aajbb.v8i3.67823
- **Genetic fingerprinting distinguishes pathogenic variability of asiatic citrus canker pathogen, Xanthomonas citri pv. citri type A** 2024. 10.14719/pst.3119
- **First Report of Burkholderia glumae Causing Bacterial Panicle Blight in Rice in Bangladesh**
  2024. 10.1094/PDIS-04-24-0904-PDN

KEY ACHIEVEMENTS

- **Government fellowship (10/2023)** for my research work and the amount is 675$ per year Funded by the Ministry of Science and Technology, Bangladesh.
- Awarded **Talent Pool Scholarship (2011)** in Primary School Certificate Examination

REFERENCES

Available upon request

ABOUT ME

Originally from Bangladesh and now living in Denmark. I am a curious person who enjoys spending time with plants and nature. I like working both in the lab and in the greenhouse, and I find it motivating to see plants grow and improve through daily care. I am friendly, respectful, and enjoy working with others.