

MOSTAFIJUR RAHMAN

Lecturer

Department of Agricultural Engineering, Sher-e-Bangla Agricultural University,
Sher-e-Bangla Nagar, Dhaka 1207, Bangladesh.

E-mail: mostafijur@sau.edu.bd, Phone: +8801515273474

Employment

Year	Organization
Dec 2023 – Present	Lecturer Department of Agricultural Engineering, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka 1207, Bangladesh.
Nov 2022 – Dec 2023	Leaf Quality Officer British American Tobacco Bangladesh Ltd.
Jan 2019 – Dec 2019	Environmental Engineer Plant Health, Safety, and Environment division, LafargeHolcim Bangladesh Ltd.
Jan 2018 – Dec 2018	Vice President Student Council, Faculty of Agricultural Engineering and Technology, Sylhet Agricultural University, Sylhet-3100, Bangladesh.

Language Proficiency Scores

1. IELTS overall band score **6.5**

Key publications

1. **Mostafijur Rahman**, Sabyasachi Niloy, Saif Izlal, Tasnim Rayhan Promi, Md. Aktarul Islam, Nowrin Islam Toma, Ahmed Gaber, Akbar Hossain; Groundwater under the lens: a remote sensing exploration of storage patterns and trends in Bangladesh. *Journal of Water and Climate Change* 2025; jwc2025012. doi: <https://doi.org/10.2166/wcc.2025.012>
2. Islam, M.T., Amin, M.G.M., Islam, D. N Jahan, **M Rahman** Partitioning water footprints of rice for assessing their implications in the face of climate change in Bangladesh. *Paddy Water Environ* (2024). <https://doi.org/10.1007/s10333-024-00992-8>
3. **M Rahman**, PK Sarkar and Z Ferdous. 2020. Scope of solar irrigation system in Sylhet region of bangladesh, *Journal of the Sylhet Agricultural University* 7(1): **47-59**.
4. **M Rahman**, PK Sarkar and Z Ferdous. 2020. Economic performance evaluation of low-cost solar irrigation system in Sylhet region of bangladesh, *Journal of the Sylhet Agricultural University* 7(1): **25-36**.
5. **M Rahman**, SP Ritu and Z Ferdous. 2021. Soil nutrients status and sustainable clay collection plan surrounding lafarge surma cement industry for cement production in Sylhet region of bangladesh, *Journal of the Sylhet Agricultural University* 8(1): **53-63**.

Thesis

1. Assessment of Geological Formation of Sylhet Agricultural University for Groundwater Availability. (Undergrade Thesis)
2. Scope of solar irrigation system in Sylhet region of Bangladesh. (MS Thesis)

Education

- January 2021 **Master of Science in Irrigation and Water Management**
Department of Irrigation and Water Management, Sylhet Agricultural University, Sylhet, Bangladesh.
Result: 3.78 out of 4.00
First class first
Major Courses: Surface Water Hydrology, Groundwater Development, Water Resources Planning, River Engineering and Flood Management, Open-channel Flow, Drainage Engineering, Irrigation System Design, GIS in Water Resources, Advanced Engineering Mathematics etc.
- May 2019 **B. Sc. in Agricultural Engineering**, Faculty of Agricultural Engineering and Technology, Sylhet Agricultural University, Sylhet, Bangladesh.
Results: CGPA 3.71 out of 4.00
First class first in major department
Major courses: Fluid Mechanics, Hydraulics, Hydrology, Hydraulic Engineering, Hydraulic Machinery, Ground Water Engineering, Irrigation and Drainage Engineering, Irrigation Structure, Soil and Water Conservation Engineering, Environmental Engineering, Land and Watershed Management, Land Reclamation Engineering, Agricultural Meteorology, Agricultural machinery, Agricultural Mechanization, Engineering drawing(civil & Mechanical), Engineering Mechanics, Thermodynamics, Strength of Materials, Material & Cost Estimation, Heat Engines, Electrical Engineering, Rural Electrification Engineering, Soil Mechanics, Surveying, Concrete Structure Design, Mathematics, Statistics, Agronomy, Horticulture etc.

Scholarship and awards

1. Nominated for **Prime Minister's Gold Medal** in the year 2018 (2022) for outstanding academic records.
2. National Science and Technology (NST) Fellowship in the year 2019-20 from the Ministry of Science and Technology, Government of Bangladesh.
3. **Research Endowment** from Sylhet Agricultural University Research System in the year 2019-20.
4. Bongobondhu Stipend Award for Academic (Undergraduate) track record from the year 2015 to 2018.
5. University Stipend Award for Master's Academic (Graduate) track record from the year 2019 to 2020.
6. Best speaker in round table discussion seminar on "**Sustainability and role of Engineers**" in the year 2019 at Institution of Engineers, Bangladesh (IEB) Sylhet Center.

Software and Program Language

Language: C, HTML, C++, Python etc.

Software: AutoCAD, MatLab, ILWIS, ArcGIS (Independent User, MS Word, MS Excel & PowerPoint, SOS, Matlab, etc.

Extra-curricular activity

1. Founder and Chief Instructor, **SAUPS** (Sylhet Agricultural University Photographic Society)
2. Ex-President, **SAUPS** (Sylhet Agricultural University Photographic Society)
3. Ex- Secretary General, **AARTI** (A voluntary Organization)
4. Ex Joint Secretary, **PRADHIKAR** (Environmental & Animal Right Organization)

Language

1. English (Fluent Working Proficiency)
2. Bangla (Native Language)
3. Hindi (Communicative Capabilities)

Membership

1. American Society of Agricultural & Biological Engineers (ASABE) member number **1066260**.
2. General Member of Krishibid Institution Bangladesh (**KIB**) from year 2019.

Reference

- 1. Dr. Md. Arif Hossain Jewel**
Assistant Professor and Chairman
Department of Agricultural Engineering,
Faculty of Agriculture,
Sher-e-Bangla Agricultural University,
Sher-e-Bangla Nagar, Dhaka-1207
Mobile: 01843547586
Email: arifjewel@sau.edu.bd
- 2. Dr. M. G. Mostofa Amin**
Professor
Department of Irrigation and Water
Management
Bangladesh Agricultural University
Mymensingh-2202, Bangladesh
Cell phone: +8801712536494
Telephone: +8809167401-6 Ext 68307
Email: mostofa.amin@bau.edu.bd
- 3. Dr. Pijush Kanti Sarkar**
Professor
Dept. of Irrigation and Water Management
Sylhet Agricultural University, Sylhet-3100,
Bangladesh.
Mobile: +8801712223215
Email: pijush.iwm@sau.ac.bd ,
pksarkarbari@yahoo.com