

MOSTAFIJUR RAHMAN

Lecturer

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[Google Scholar](#), [Research Gate](#)

Employment

Year	Organization
Sept 2026- To Date	Graduate Student Assistant Department of Biological and Ecological Engineering Major in Water Resource Engineering Oregon State University, USA.
Jan 2026 – To Date	Research Associate Department of Earth, Atmospheric, and Geographic Information Sciences, Western Illinois University, USA.
Dec 2023 – To Date	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.

Research grants

SN.	Project title	Funded by	Amount (USD)
01.	Farakka Barrage Water Disruption Impacts on Groundwater Availability at South-Western Parts of Bangladesh. (2026)	State fund, Western Illinois University, USA	2000
02.	An Experimental Study on Low-Cost Slab Construction Using Coconut Husk Fiber Reinforced Soil Cement for Agricultural Structures. (2025)	SAURES, SAU	1500
03.	Use of Maize cob in producing lightweight concrete for agricultural construction. (2025)	Ministry of Science and Technology, GoB	1000
04.	Low-cost sensor based smart irrigation system for horticultural crop to minimize water loss at field level - an IoT supported approach. (2024)	SAURES, SAU	1500

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

Sept 2030 **Doctor of Philosophy (On-going)**

Department of Biological and Ecological Engineering
Major in Water Resource Engineering
Oregon State University, USA.

January **Master of Science in Irrigation and Water Management**

2021 Department of Irrigation and Water Management, Sylhet Agricultural University, Sylhet, Bangladesh.

Result: 3.78 out of 4.00

First class first

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

Scholarship and awards

1. 1st Runner-up for the Best Paper category (2026) at 1st International Conference on Smart Agriculture and Sustainable Development.
2. Nominated for **Prime Minister's Gold Medal** in the year 2018 (2022) for outstanding academic records.

3. National Science and Technology (NST) Fellowship in the year 2019-20 from the Ministry of Science and Technology, Government of Bangladesh.
4. **Research Endowment** from Sylhet Agricultural University Research System in the year 2019-20.
5. Bongobondhu Stipend Award for Academic (Undergraduate) track record from the year 2015 to 2018.
6. University Stipend Award for Master's Academic (Graduate) track record from the year 2019 to 2020.
7. 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, Mathlab, 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

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| <ol style="list-style-type: none"> 1. Dr. Md. Arif Hossain Jewel
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Faculty of Agriculture,
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