

CURRICULUM VITAE

Personal Information

AISHIK DEBNATH

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Sex: Male | **Date of birth:** Dec 18, 1996 | **Citizenship:** Bangladesh

About Me

I am an honest and active person with a good learning capacity. My aim is to invent water-saving technology to ensure food security and want to be someone tremendously beneficial to the global community as an irrigation scientist.

Job Experience

Oct 27, 2019 - Present

Scientific Officer

Irrigation and Water Management Division

Bangladesh Rice Research Institute (BRRI), Gazipur-1701, Bangladesh.

Website: www.brri.gov.bd

* Currently deputed in BRRI Regional Station Barishal.

Activities:

- Conduct research for intensification of rice production through water management in south coastal region of Bangladesh
- Extent new high yielding technology in non-saline tidal area
- Give farmers' training to aware water productivity
- Supervise farm management activities
- Prepare monthly and annual research progress Reports, etc.

Research Experience

Current Experiments
Conducting as Principal
Investigator

- i. Detection of seasonal fallow land and adjacent water resources for cropping intensification in the selected polders of Bangladesh.
- ii. Exploring sediment deposition from tidal water in Barishal regional station.
- iii. Impact of tidal water pressure on seedling age and seedlings numbers in T. Aman rice in non-saline tidal area.

Undergraduate Research
Work (Jan, 18 – Dec, 18)

Effect of different protective coating on water absorption of mortar.

Publications

- i. Paddy Field Water Movement Through Soil Profiles Under Different Water Management Practices: A HYDRUS 1D Model Study. D Roy^{1*}, M N H Mahmud¹, P L C Paul¹, M B Hossain¹, M S Yesmin¹, P K Kundu², **A Debnath**², M R B H Pranto² and M T Islam³. Bangladesh Rice J. 25 (2) :57-67, 2021, <https://doi.org/10.3329/brj.v25i2.62707>
- ii. Period of effective catching of insect pests and natural enemies in light traps. M. M. Moniruzzaman Kabir^{1*}, Md. Panna Ali¹, Juel Datta¹, S. N. Topy², **A. Debnath**³, Saifullah, Omar Nasif⁴, Tapon Kumar Roy¹ and ABMA Uddin¹. <https://doi.org/10.52804/ijaas2023.412>
- iii. Rainfall Induced Saline Soil Management through Leaching. Palash Kumar Kundu*, Md. Ferdous Parvez, Dr. Tapos Kumar Acharjee, Sheikh Maniruzzaman, Sanjoy Kumar Debsharma, Golam Sarwar Jahan, Hasibur Rahaman Hera, **Aishik Debnath**, Md. Rezoan Bin Hafiz Pranto. <https://doi.org/10.5281/zenodo.3953115>

- iv. Effect of different protective coating on water absorption of mortar. **A. Debnath**, M.R. Islam, M.Z. Rahman. Bangladesh Journal of Agricultural Engineering, Vol. 29 (1&2):2018.

Academic Credentials

Oct 2, 2023 – On going

Master of Science in Integrated Water Resources Management- MENA

Cologne University of Applied Sciences

Status: 1st semester

Feb 15, 2015- May 30, 2019

Bachelor of Science in Agricultural Engineering

Bangladesh Agricultural University (BAU), Mymensingh.

CGPA: 3.123/4.00

Course Studied: Engineering Drawing, Engineering Mechanics, Hydraulics, Statistics, Hydrology, Irrigation and Drainage Engineering, Ground Water Engineering, Agricultural Machinery, Pumps and Wells, Soil and Water Conservation Engineering, On-Farm Water Management, etc.

Standardized Test Scores

- i) International English Language Testing System (IELTS) - Jan 14, 2023.
Score- Overall 6.5
- ii) German Language Proficiency – Aug 29, 2023
Level- A1
Score- 3.0 (satisfactory)

Technical Trainings

Course Title	Place	Duration
Scientific Report Writing Training Course	Bangladesh Rice Research Institute, Gazipur	Oct 11, 20- Oct 15, 20
Basic ArcGIS Trainings for Beginners and Professionals	Environmental Science and Disaster Management Club, Patuakhali Science & Technology University	Jul 5, 21- Aug 2, 21
Advanced Research Data Management using R Studio and Refresher of Scientific Report Writing Training Course	Bangladesh Rice Research Institute, Gazipur	Oct 30, 21- Nov 4, 21
Hands-on training of scientists on GIS and Remote Sensing application to assess suitable surface water resources for crop production in the coastal region	Bangladesh Rice Research Institute, Gazipur	Aug 20, 22- Aug 24, 22
Modern Rice Production Technologies	Bangladesh Rice Research Institute, Gazipur	Sep 20, 22- Nov 19, 22

Extra-Curricular Activities, Achievements & Skills

- i. Granted a DAAD-scholarship for the Development-Related Postgraduate Course “Integrated Water Resources Management MENA”
- ii. Have primary idea on c++, HTML and AutoCAD.
- iii. Have basic knowledge in mapping with ArcGIS and for data analysis (Excel & R Studio).
- iv. Skilled in Microsoft Office & Power point.
- v. Worked as an activist of Badhan (A Voluntary Blood Donors' Organization). Became secretary and President of Shaheed Jamal Hossain Hall Unit under Bangladesh Agricultural University Zone.

- vi. Was also a publication and publicity secretary of Bangladesh Udichi Shilpigosthi, BAU Branch
- vii. Involved with various cultural organization as a performer and played Tabla (A musical instrument).
- viii. Honoured as a Blood donor from Badhan, Shaheed Jamal Hossain Hall Unit.

Projects

Mitigation risk and scaling-out profitable cropping system intensification practices in Salt affected coastal zones of the Ganges-Delta.

Position: Working Scientist

Duration: Sep 01, 21 – Present.

References

Dr. M. G. Mostofa Amin

Professor

Department of Irrigation and Water Management

Bangladesh Agricultural University

Email: mostofa.amin@bau.edu.bd; <https://iwm.bau.edu.bd/profile/IWM1011>

<https://www.researchgate.net/profile/M-G-Mostofa-Amin>

<https://scholar.google.com/citations?user=LiuT6GoAAAAJ&hl=en>