

MD. TOWKIR AHMED

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PROFESSIONAL EXPERIENCES

Assistant Research Associate, Agronomy

Oct 2024 - present

Sustainable Agrifood System (SAS) program, International Maize and Wheat Improvement Center Dhaka, Bangladesh

WORK EXPERIENCES

Research Assistant

May 2022 – Sep 2024

Department of Agronomy, Bangladesh Agricultural University

Mymensingh, Bangladesh

Enumerator

Jan 2024 - Jun 2024

Department of Entomology, Bangladesh Agricultural University

Mymensingh, Bangladesh

Research Assistant

Apr 2022 - Mar 2023

Department of Agronomy, Bangladesh Agricultural University

Mymensingh, Bangladesh

EDUCATION

Master in Agronomy

Apr 2022 - Nov 2023

Bangladesh Agricultural University

Mymensingh,

Bangladesh CGPA: 3.859/4.00

Bachelor of Science in Agriculture

Jan 2017 - Feb 2022

Bangladesh Agricultural University

Mymensingh,

Bangladesh CGPA: 3.734/4.00

PUBLICATIONS

1. Sarker, U. K., **Ahmed, M. T.**, Upama, S. A., Saha, G., & Uddin, M. R. (in press). Constraints, opportunities, and future strategic solutions of fourth industrial revolution technologies in smart agriculture: A systematic review for Bangladesh. *Plant Science Today* (accepted).
2. Manir, M. R., Sarker, U. K., Kheya, S. A., **Ahmed, M. T.**, Ferdous, N., Kaysar, M. S., Salam, M. A., Anwar, M. P., Somaddar, U., Hashem, A., Alfagham, A., Abd Allah, E. F., & Uddin, M. R. (2025). [Integrated nitrogen nutrition with vermicompost and storage duration affect grain quality characters of aromatic rice under subtropical conditions](https://doi.org/10.1080/23311932.2024.2448598). *Cogent Food & Agriculture*, 11(1), 2448598. <https://doi.org/10.1080/23311932.2024.2448598>
3. Mim, T. A., **Ahmed, M. T.**, Sarker, U. K., & Uddin, M. R. (2024). [Evaluation of transplanted Aman rice by exploiting and adjusting existing technologies](https://doi.org/10.9734/acri/2024/v24i8847). *Archives of Current Research International*, 24(8), 43-51. <https://doi.org/10.9734/acri/2024/v24i8847>
4. Nur-A-Alam, M., **Ahmed, M. T.**, Sarker, U. K., Rahman, M. R., & Uddin, M. R. (2024). [Assessing herbicide-resistance and yield optimization in Boro rice through post-emergence herbicide applications](https://doi.org/10.9734/ajrcs/2024/v9i3285). *Asian Journal of Research in Crop Science*, 9(3), 22-36. <https://doi.org/10.9734/ajrcs/2024/v9i3285>
5. Rahman, M., Sarker, U. K., **Ahmed, M. T.**, Zinnat, M., Alam, M. S., & Uddin, M. R. (2024). [Combined hot water extract of lentil and grass pea increase weed control efficiency and yield of boro rice](https://doi.org/10.26832/24566632.2024.0903013). *Archives of Agriculture and Environmental Science*, 9(3), 500-507. <https://doi.org/10.26832/24566632.2024.0903013>
6. Ashikuzzaman, S., Paul, S. K., **Ahmed, M. T.**, Upama, S. A., Uddin, M. R., & Sarker, U. K. (2024). [Soil applied zinc fertilizer enhanced yield and yield components of wheat](https://doi.org/10.55706/jae1708). *Journal of Agroforestry and Environment*, 17(1), 50-56. <https://doi.org/10.55706/jae1708>
7. Akondo, S., **Ahmed, M. T.**, Uddin, M. R., & Sarker, U. K. (2024). [Combined application of herbicide](#)

and aqueous extract of sorghum and mustard crop residue enhance weed management and yield of wheat. *Journal of Agroforestry and Environment*, 17(2), 1-11. <https://doi.org/10.55706/jae1710>

8. Dola, N. A., Sarker, U. K., **Ahmed, M. T.**, Upama, S. A., Rashid, M. H. O., & Uddin, M. R. (2024). Comparative advantages of aqueous extract of mustard crop residues with herbicide to weed control and crop performance of wheat. *Archives of Agriculture and Environmental Science*, 9(2), 294-301. <https://doi.org/10.26832/24566632.2024.0902013>

TRAINING EXPERIENCES

Application of APSIM for Haor Cropping Systems of Bangladesh Bangladesh Agricultural University	22 May, 2024 - 23 May, 2024 Mymensingh, Bangladesh
Statistical Packages for MS Students in Agriculture Bangladesh Agricultural University	4 Jun, 2023 - 12 Jun, 2023 Mymensingh, Bangladesh
Basics of MS Office Graduate Training Institute, Bangladesh Agricultural University	9 May, 2023 - 21 May, 2023 Mymensingh, Bangladesh
Extension Field Trip Bangladesh Agricultural University	8 Mar, 2020 - 13 Mar, 2020 Mymensingh, Bangladesh

HONORS AND AWARDS

National Science and Technology (NST) Fellowship Ministry of Science and Technology, Government of the People's Republic of Bangladesh	2022 - 2023
Imdad-Sitara Khan Scholarship The Khan Family Foundation USA	Jan 2017 - Dec 2020
Merit Based Scholarship Islami Bank Bangladesh Limited	Jul 2016 - Jun 2020

PROFESSIONAL AFFILIATIONS

Student Member , Bangladesh Society of Plant Science and Technology	Aug 2023 - Present
General Member , Krishibid Institution Bangladesh	Jan 2023 - Present

CERTIFICATIONS

- Certificate of Volunteer Appreciation** (19th Bangladesh Astronomy Olympiad 2024)
- Certificate of Participation** (Motivational Weekend 2023, IASS Bangladesh BAU)
- Certificate of Appreciation** (Ministry of Science and Technology, Government of the People's Republic of Bangladesh)
- A Learning Cycle on Global Weed Management** (Weed Science Societies of Bangladesh)
- Certificate of Participation** (Bangladesh Academy of Sciences)
- Certificate of Participation** (7th Bangladesh Astro-Olympiad 2012)

SKILLS

- Data Analysis:** R (Beginner), Minitab, SPSS and Microsoft Excel
- Document Creation:** Microsoft Word and Microsoft PowerPoint

EXTRA-CURRICULAR ACTIVITIES

General Member , Astro-Olympiad, Bangladesh Agricultural University Zone	Jan 2022 - Present
General Secretary , Barisal Students Association of Bangladesh Agricultural University	2019 - 23
Member , BADHAN, Bangladesh Agricultural University Zone	Jan 2017 - Mar 2022

REFERENCES

Md. Romij Uddin, PhD

Professor, Department of Agronomy, Bangladesh Agricultural University, Mymensingh-2202, Bangladesh, **E-mail:** romijagron@bau.edu.bd, **Phone:** +880 1780-370135

Md. Harun Or Rashid, PhD

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Md. Shafiqul Islam, PhD

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Bangladesh, E-mail: shafiqagron@bau.edu.bd, Phone: +880 1718-330285