

UMME JAMAN ANTU

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RESEARCH INTERESTS

Precision Agriculture, Agricultural Mechanization, Agri-tech Economics, Agricultural Economics, Production Economics, Farm Management

CAREER OBJECTIVE

A young agricultural economist with experience as a research assistant, specializing in precision agriculture and proficient in analyzing agricultural data. Skilled in clearly and effectively communicating complex ideas with strong interpersonal skills that support navigating multicultural environments with professionalism. A quick learner committed to continuous personal and professional growth, seeking opportunities to leverage expertise in agri-tech economics to drive positive impact and contribute to sustainable development.

ACADEMIC RECORDS

Master of Science in Agricultural Economics (Production Economics)

CGPA: 3.50/4.00

April 2024- Ongoing

Department of Agricultural Economics, Bangladesh Agricultural University

Bachelor of Science in Agricultural Economics

CGPA: 3.532/4.00

January 2019- April 2024

Faculty of Agricultural Economics and Rural Sociology, Bangladesh Agricultural University

RESEARCH EXPERIENCES

Research Assistant

March 2024- Current

Hub for Smallholders' Agri-Tech Economics (HSATE) Lab

Principal investigator: Dr. A. K. M. Abdullah Al-Amin, Department of Agricultural Economics, Bangladesh Agricultural University

Currently working on: Appropriate mechanization in Bangladesh for sustainable smallholders' arable crop farming: From local adoption to scaling up

Funded by: International Growth Centre (IGC)

Survey Enumerator

November 2024

Hub for Smallholders' Agri-Tech Economics (HSATE) Lab

Project Name: Appropriate mechanization in Bangladesh for sustainable smallholders' arable crop farming: From local adoption to scaling up

Funded by: International Growth Centre (IGC)

REPORTS AND PUBLICATIONS

Al-Amin, A. K. M. Abdullah, **Antu, U.J.**, Azanta, M.L., Hossen, M.A., Banik, B., Hasan, M.A.A., Lowenberg-DeBoer, J., Aman, A., Rashid, M.H., Rahman, A., Hoque, M.A. (2024). [Appropriate mechanization in Bangladesh for sustainable smallholders' arable crop farming: From local adoption to scaling up](https://doi.org/10.13140/RG.2.2.12732.65929). Initial economic modelling results submitted to International Growth Centre (IGC). <https://doi.org/10.13140/RG.2.2.12732.65929>

Hossen, M. A., Banik, B., **Antu, U. J.**, Azanta, M. L., Hasan, M. A. A., Rashid, M. H., Rahman, A., Hoque, M. A., Lowenberg-DeBoer, J., Aman, A., Al-Amin, A. K. M. Abdullah (2024). [Economics of labour saving agri-tech for smallholder farms: the case of Bangladesh](https://doi.org/10.13140/RG.2.2.16421.92641). Contributed paper prepared for the 7th Symposium on Agri-Tech Economics for Sustainable Futures on 28-29 September 2024, University of Reading, U.K. <https://doi.org/10.13140/RG.2.2.16421.92641>

DOCUMENTARY

Appropriate Mechanization in Bangladesh for Sustainable Smallholders' Arable Crop Farming. https://www.youtube.com/watch?v=rj1_8rnnqAs&t=97s

STRENGTHS AND SKILLS

Computer Skills: Microsoft Office (Excel, Word, PowerPoint), GAMS, R (Learning), Canva

Analytical Skills: Linear Programming

Personal Skills: Teamwork, Communication, Time Management, Service-Focused, Adaptability

ACADEMIC AWARDS AND SCHOLARSHIPS

National Science and Technology (NST)

Secondary School Certificate (SSC) Board Scholarship, 2016

WORKSHOPS AND CONFERENCES

Workshop on “Appropriate Mechanization in Bangladesh for Sustainable Smallholders’ Arable Crop Farming: From Local Adoption to Scaling Up”

Arranged by Hub for Smallholders’ Agri-Tech Economics (HSATE) and commissioned by International Growth Centre (IGC), London School of Economics and Political Science (LSE) and University of Oxford | April 28, 2025

Research assistant

1st International Conference on Agricultural Machinery and Bioresource Engineering (ICAMBE) 2025

Bangladesh Agricultural University, Mymensingh, Bangladesh | February 12-13, 2025
Attendee

CERTIFICATIONS

Excel Skill for Business: Essentials, Understanding Research Methodology, Farm Level Economics: Consumer and Producer Behavior, PowerPoint Masterclass

LANGUAGE PROFICIENCY

English: Fluent

Bengali: Native

REFERENCES

Dr. A. H. M. Saiful Islam

Professor

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