

Shimul Chandra Sarker

Assistant Professor, Department of Agronomy



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Researchgate: Shimul Chandra Sarker (https://www.researchgate.net/profile/Shimul_Sarker4)

I have been working as an Assistant Professor in the Department of Agronomy at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh. I have received my MS degree in Agronomy in 2013 and B.Sc.Ag. (Hons) in Agriculture in 2009 from Sher-e-Bangla Agricultural University, Dhaka, Bangladesh. At the early career, I studied fertilizer management on rice cultivation and effect of herbicides on rice production in Bangladesh. I have also supervised some MS student on micronutrient and organic farming. I published regularly in national and international journals. My research interests include but are not limited to bioremediation, stress management, physiology, adaptation to climate change, sustainable agriculture and effect of macro and micro nutrient on rice production.

Research Interest

Looking for research position and to keep myself involve in the field of Agronomy and plant science.

- Stress management in plants
- Weed control management
- Plant physiology and adaptation to climate change
- Sustainable agriculture and bioremediation
- Effect of macronutrients and heavy metals on plant and soil

Awards

- Dean's Award in Bachelor of Science in Agriculture(hon's) degree.

Work experience

Designation	From	To	Organization
Assistant Professor	14 th October, 2016	present	Sher-e-Bangla Agricultural University.
Lecturer	14 th October, 2014	13 th Oct, 2016	Sher-e-Bangla Agricultural University.
Assistant Hall provost (Hostel super)	12 th August, 2018	present	Krishokrayna Sheikh Hasina Hall, Sher-e-Bangla Agricultural University.
Crop Specialist	24 th October, 2013	13 rd October, 2014	Bangladesh Rural Development Board

Academic Background

Degree	CGPA	Institute	Passing Year
M.Sc. in Agronomy	3.92 out of 4.00 1st Class First	Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.	2013
B.Sc. in Agriculture	3.80 out of 4.00 1st Class First	Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.	2009

Higher Secondary Certificate (H.S.C)	4.40 out of 5.00	Alimuddin Zobeda College, Comilla, Bangladesh.	2004
Secondary School Certificate (S.S.C)	4.63 out of 5.00	Kaitala Jagashsar High School, Comilla, Bangladesh.	2002

Experience of Research Project

Thesis by Myself

- “Efficacy of different levels of nitrogen and methods of weeding on the growth and yield of hybrid boro rice (heera 4)”. MS Thesis (2006). Dept. of Agronomy, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

Project and Supervisor

- **Principle Investigator** in a research project entitled “*Yield of mungbean as influenced by combination of synthetic and non-synthetic fertilizers and boron splitting*”,(2020). Ministry of Science and Technology, Government of the People’s Republic of Bangladesh.
- **Principle Investigator** in a research project entitled “*Yield and quality of boro rice as influenced by boron splitting at their different stages*”,(2019). Ministry of Science and Technology, Government of the People’s Republic of Bangladesh.
- **Principle Investigator** in a research project entitled “*Assessing Resilience of Rice farming Systems to Climate Change to facilitate Adaptation Planning in Bangladesh*”, (2017). Ministry of Science and Technology, Government of the People’s Republic of Bangladesh.
- **Principle Investigator** in a research project entitled “*Building Livelihood Resilience of Coastal Households in Bangladesh*”, (2018). Sher-e-Bangla Agricultural University Research System, SAU, Dhaka, Bangladesh.
- **Supervisor of MS student** on research title “*Yield and quality improvement of blackgram through the foliar application of zinc and boron biofortification*”,(2020). Department of Agronomy, Sher-e-Bangla Agricultural University , Dhaka, Bangladesh.
- **Supervisor of MS student on research title** “*Varieties and spacing effect on the weed control, growth and yield of bangladesh aromatic rice*”, (2019). Department of Agronomy, Sher-e-Bangla Agricultural University , Dhaka, Bangladesh.
- **Supervisor of MS student on research title** “*Effect of boron splitting as foliar application and irrigation level on the yield and quality of lentil*”, (2019). Department of Agronomy, Sher-e-Bangla Agricultural University , Dhaka, Bangladesh.
- **Supervisor of MS student on research title** “*Effect of organic and inorganic fertilizer with boron splitting on the growth and yield of mungbean* ”, (2019). Department of Agronomy, Sher-e-Bangla Agricultural University , Dhaka, Bangladesh.
- **Supervisor of MS student on research title** “*Combined effect of organic and inorganic fertilizers with different plant population on yield and quality of mungbean*”, (2018). Department of Agronomy, Sher-e-Bangla Agricultural University , Dhaka, Bangladesh.
- **Supervisor of MS student on research title** “*Varieties and spacing effect on weed control, growth and yield of aromatic rice in bangladesh* ”, (2018). Department of Agronomy, Sher-e-Bangla Agricultural University , Dhaka, Bangladesh.

Publications

- Paul, S., T. S. Roy, R. Chakraborty, M. Roy and S.C. Sarker, (2020). Growth performance of lentil by the effect of irrigation and boron splitting as foliar application. *Bangladesh j. Agronomy*,22(2):139-150
- Sarker, S. C., Ali, M. H., Biswas, P. K., Mohsin, S. M., and Hosain, M. T. (2016). Efficacy of different levels of nitrogen and methods of weeding on the growth and yield of hybrid boro rice. *Bangladesh J. Weed Sci.*4&5: 61-68.

- Sarker, S. C., Ali, M. H., Biswas, P. K., Chakraborty, R., Amin, R. and Khandker, S.(2015). Contribution of nitrogen and methods of weeding on the yield components and yield of hybrid boro rice (HEERA 4). *European academic Res.*2(12):16046-16060.
- Sarker, S. C., Chakraborty, R., Hussain, M.A., Islam, M. S., and Zaman, M. Q. (2015). Tillering behavior of hybrid boro rice (heera 4) as respond by nitrogen and methods of weeding. *American Res. Thoughts.*1(5): 1442-1449.
- Sarker S.C., Afroj T, Abdullah M.M., Chowdhury M.B.H. and Hossain N. (2016). Adoption of homestead vegetable production techniques by the rural women in some selected areas of Bangladesh. *J. Innov. Dev. Strategy.* 10(1), 27-30.
- Khandker, S., Begum, k., Hasan , N., Sarker, S. C. and Bhuiyan, M. H.(2015) . Adoption of salt tolerant variety in the coastal areas of Bangladesh. *App. Sci. Report.* 4(1):13-20.

Book

- Sarker, S.C.(2017). Hybrid Rice in Bangladesh: Application methods nitrogen and methods of weeding, Lambert Academic Publishing, Germany

Teaching Experience

Courses Offered at Sher-e-Bangla Agril. University, Dhaka, Bangladesh

- **AEIS (208):** Agricultural Extension and Rural Development
- **AEIS 356):** Extension Communication and Technology Transfer
- **AEIS (408):** Extension Organization and Management
- **AGRO (101):** Fundamentals of Agronomy
- **ARGO (231):** Sustainable Agriculture
- **AGRO (351):** Weed Science
- **AGRO(103):** Principles of Field Crop Management
- **AGRO(153):**Principles of Seed Crop Production

Conference, workshop & Training

Conference on	Organized by	Date/Duration
Biochemistry and Molecular Biology for Life Sciences	Bangladesh Society for Biochemistry&molecular biology in association with Dept. of Biochemistry and molecular biology.	Dec 10, 2016
5 th National Convention and International Agricultural Conference	Krishibid Institution Bangladesh	Sept 29-30, 2016
Workshop on		
E-Resource Orientation of SAU Library	Institutional Quality Assurance Cell (IQAC), SAU, Dhaka-1207.	May 10, 2017
Research Methods, Statistical Analysis and Scientific Paper Writing	Institutional Quality Assurance Cell (IQAC), SAU, Dhaka-1207.	Jul 13, 2017
Training on		
Geographical Information System (GIS) using ARCGIS	GIS Lab, Department of Geography and Environment, University of Dhaka.	July 01 to 05, 2018
Outcome Based Education and Using Rubrics in Higher Education	Institutional Quality Assurance Cell (IQAC), SAU, Dhaka	April 24, 2018
Hands on Training on Statistical Package R	Institutional Quality Assurance Cell (IQAC), SAU, Dhaka.	Feb 11-12, 2018

Teaching, Learning and Assessment Strategies	Institutional Quality Assurance Cell (IQAC), SAU, Dhaka.	December 27-28, 2017
Foundation Training for University Teachers	Bangladesh Agricultural University, Mymensingh and 'University Grants Commission (UGC)', Bangladesh	Nov 1-30, 2015
Implementing Sustainable Development Goals(SDGs) in Bangladesh: From plan to action	Food and Agriculture Organization, United Nations.	April 7-12, 2018
A Mendeley Presentation	Organized by Mendeley Ltd., AlphaBeta Building, Finsbury Square, London, UK.	Oct 15, 2015

Language and computer skill:

- English: Excellent
- Bangla: Native
- Statistical Analysis: MSTATC, CROPSTAT, Statistix 10, SPSS.
- Graphics Utilities: Adobe Photoshop.
- Application Packages: MS Office Suite (MS Word, MS Excel, MSAccess, MS Power Point etc.).

Professional Membership, Extra Curricular & Voluntary Activities

- Member- Bangladesh Society of Agronomy
- Member-Krishibid(Agriculturist) Institution Bangladesh
- Member-Weed Science Society of Bangladesh
- Member-Bangabandhu Krishibid Parishad
- Member-Bangladesh Agricultural Extension Network (BAEN)
- Rover Scout Unit Leader-Sher-e-Bangla Agricultural University Rover Scout Group
- Member-Sher-e-Bangla Agricultural University Teachers' Association
- Moderator-Sher-e-Bangla Agricultural University Theatre Group(SAUPS)
- Assistant Moderator-Bangladesh Study Forum || BDSF
- Advisor- SAU Prothom Alo Bondhusova

References:

Dr. Mirza Hasanuzzaman	Dr. ParimalKanti Biswas	Dr. Anisur Rahman
Professor,	Professor,	Associate Professor
Dept. of Agronomy,	Dept. of Agronomy,	Dept. of Agronomy
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