

Mst. Sarmin Akter Ranu

Assistant Professor

Department of Agricultural Botany
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Summary

Contribution of agriculture in the growth and development of our national and international economy is still very commendable. However, there are enormous scopes and opportunities yet to be explored under the niche of Agriculture. I, being a lecturer of a renowned public agricultural university of the country have vision to serve the nation through promoting Agriculture in various manners. I have passion to carry out quality researches in agriculture through innovation and dissemination of new technologies to farmer's door.

Academic Qualifications

2014-2016

Master of Science (Agricultural Botany)

Department of Agricultural Botany, Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

Thesis: Effect of indigenous and artificial mulches on the morphophysiological and yield attributes of white maize (*Zea mays* L)

Result: CGPA **3.98** in a scale of **4.00**

Major Courses Studied: Plant Morphology and Taxonomy, Plant Growth and Developmental Physiology, Stress Physiology, Plant Water Relations and Nutritions, Plant Metabolism, Plant Growth Regulators, Plant Anatomy, Plant Ecology, Economic Botany, Advance Agroclimatology.

2010-2013

Bachelor of Science in Agriculture (Hons.)

Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

Result: CGPA **3.79** in a scale of **4.00**

Major Courses Studied: Agricultural Botany, Agronomy, Genetics and Plant Breeding, Biotechnology, Soil Science, Horticulture, Plant Pathology, Agroforestry and Environmental Science, Agricultural Chemistry, Biochemistry, Entomology, Animal Husbandry, Fisheries, Agricultural Engineering, Agricultural Economics, Agricultural Extension and Information System, Agricultural Statistics, Rural Sociology.

2007-2009

Higher Secondary School Certificate

Board of Intermediate and Secondary Education, Jessore, Bangladesh.

Result: GPA **4.60** in a scale of **5.00**

Major courses Studied: English, Bengali, Physics, Chemistry, Mathematics and Biology.

2005-2007

Secondary School Certificate

Board of Intermediate and Secondary Education, Jessore, Bangladesh.

Result: GPA **4.88** in a scale of **5.00**

Major courses Studied: English, Bengali, Physics, Chemistry, Biology, General Mathematics, Higher Mathematics, Religion and Social Science.

Current Position

Assistant Professor, 27 December, 2020 to Present, Department of Agricultural Botany, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

Research Experiences

- Effect of organic and inorganic mulches on the morphophysiological and yield attributes of white maize variety (**2019-2020**). Funded by Ministry of Science and Technology, Government of the People's Republic of Bangladesh.
- Effect of growth stimulator on the yield of hybrid rice varieties in Boro season (**2019-2020**). Funded by Sher-e-Bangla Agricultural University, Bangladesh.
- Growth and yield of cabbage as influenced by different levels of boron and gibberelic acid (**2020-2021**). Funded by Ministry of Science and Technology, Government of the People's Republic of Bangladesh.

Research Interest

Areas of interest in research are Agricultural Plant Science mostly Plant Physiology, Plant Stress Physiology, Plant Hormones, Plant Growth Regulators, Molecular Biology.

Awards and Fellowships

- Dean's award for outstanding Academic achievement in persuasion of **B. Sc. (Hons.)** Degree program, **2019**, Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.
- National Science and Technology (**NST**) Fellowship, Ministry of Science and Technology, **2015-2016**. Government of the People's Republic of Bangladesh.

List of Publications

- **Ranu, M.S.A.**, Ahamed, K.U., Islam, M.S., Sumi, S.A., 2022. Effects of mulching on soil water content, maize performance and weed growth in dry land area of Bangladesh. *Annual Research & Review in Biology*, 37(1): 50-58.
- Islam, M.S., Hoque, M.A., Ahamed, K.U., Bithy, P.A., **Ranu, S.A.**, 2021. Physiological behaviour and yield contribution of *Oryza sativa* under different cultivation system in Boro season. *Annual Research & Review in Biology*, 36(3): 10-18.
- **Ranu, M.S.A.**, Islam, M.S., Haque, M.M., Siddika, M., Rahman, M.M., 2020. Effect of growth stimulator on the yield of hybrid rice varieties in Boro season. *International Journal of Biosciences*, 16(1): 93-106.
- Islam, M.S., Hoque, M.A., Sumi, S.A., Jony, M., Kamrunnahar, **Ranu, S.A.**, Shamsuzzaman, M., 2020. Effects of foliar application of indol butyric acid (IBA), gibberellic acid (GA₃) and zinc (Zn) on yield and quality of tomato. *International Journal of Plant & Soil Science*, 32(1): 1-9.
- Islam, M.S., **Ranu, M.S.A.**, Bithy, P.A., Jony, M., Sumi, S.A., Rahman, M.M., Mia, M.I., 2020. Effects of foliar application of indol butyric acid (IBA), gibberellic acid (GA₃) and zinc (Zn) on growth and yield of tomato. *International Journal of Biosciences*, 16(2): 19-30.
- **Ranu, S.A.**, Ahamed, K.U., 2018. Effect of indigenous and artificial mulches on yield attributes and yield of white maize (*Zea mays* L.). *International Journal of Biosciences*, 12(6): 281-291.

Trainings and Workshops

- Training on 'Career Development in Teaching and Research', 29 October 2019, Institutional Quality Assurance Cell (IQAC), Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
- Training Workshop on 'Scientific Paper Writing and Publication', 23 July 2019, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
- Training on 'Teaching Learning, Assessment and Implementation of Outcome Based curriculum' 26, January 2019, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
- Training on 'Responsibilities of Teachers, Outcome Based Education and Different Rules and Regulations' 12-13 January 2019, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.

Societal Involvement

- Member of Agriculturalist Institution of Bangladesh.
- Member of Sher-e-Bangla Agricultural University Alumni Association.

Referees

Professor A. M. M. Shamsuzzaman

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Professor Dr. Md Sirajul Islam Khan

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