

MUNSHI MOHAMMAD SUMON

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CURRENT POSITION

Assistant Professor, Department of Biochemistry, Faculty of Agriculture, Sher-e-Bangla Agricultural University Dhaka-1207, Bangladesh

FIELD OF INTEREST

Biochemistry, Proteomics, Molecular Biology, Plant nutrition, Stress adaptation, Food Quality.

KEY QUALITIES

University Faculty Member and Researcher with more than four years of teaching and research experience in the field of Agriculture, including Biochemistry, Plant nutrition, and Molecular Biology. Experience in conducting different research projects funded by National donors.

SKILL AND EXPERIENCES

Analytical chemistry (GC-MS, AAS, Kjeldahl , Flame photometer), Trained in Fatty Acid profiling, Plant and soil mineral profiling (Macro and Micronutrients), Antioxidant enzymes and metabolites measurements

EDUCATIONAL QUALIFICATIONS

2020, Graduation: Master of Science in Biochemistry at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

Result: CGPA **4.00** in a scale of **4.0**, **Position:** 1st

Thesis Title: "Characterization, Proximate Composition and Mineral Profile Analysis of Different Sunflower (*Helianthus Annuus* L.) Genotypes".

Course Studied: Principles of Biochemical Techniques, Intermediary metabolism and its regulation, Molecular biology of genes, Principles of Recombinant DNA Technology, Animal Hormones, Advanced Chemistry of Carbohydrates, Lipids and Nucleic acids, Bioenergetics, Advanced chemistry of proteins and enzymes, Biochemistry of Plant Hormones and Biocides, Current Topics in Nutrition.

2016, Undergraduate: Bachelor of Science in Agriculture (Hon's) at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh. (Exam. held in 2017).

Result: CGPA **3.91** in a scale of **4.0**, **Position:** 5th

Course Studied: Biochemistry, Entomology, Genetics and Plant Breeding, Biotechnology, Plant Pathology, Horticulture, Agricultural Botany, Soil Science, Agro forestry and Environmental Science, Agricultural Chemistry, Agronomy, Agricultural Economics, Animal Husbandry, Rural Sociology, Farm Mechanics, Agricultural Statistics , Sustainable Agriculture, Fisheries and Computer package.

Higher Secondary: H.S.C. (Science group), Rajbari Govt. College, Board of Intermediate and Secondary Education, Dhaka, Bangladesh.

Result: CGPA 5.00 in a scale of 5.0

Course Studied: Bengali, English, Physics, Chemistry, Mathematics, and Biology.

Secondary: S.S.C. (Science group), Khankhanapur Soraj Mohini Institute, Rajbari, Board of Intermediate and Secondary Education, Dhaka, Bangladesh.

Result: CGPA 5.00 in a scale of 5.0

Course Studied: Bengali, English, Physics, Chemistry, Mathematics, Biology, Social Science, Religion, Higher Mathematics.

PROFESSIONAL EXPERIENCES

Assistant Professor: (27/12/2020- Till Date)

Department of Biochemistry, Sher-e-Bangla Agricultural (SAU), Dhaka 1207

Assistant Provost: (28/02/2023- Till Date)

Sheikh Lutfar Rahman Hall, Sher-e-Bangla Agricultural (SAU), Dhaka 1207

Lecturer: (27/12/2018 – 26/12/2020)

Department of Biochemistry, Sher-e-Bangla Agricultural (SAU), Dhaka 1207

Total Length of Service: More than four years

RESEARCH EXPERIENCES

1. More than 5 years of research experience in the field of Biochemistry, Plant nutrition, and Molecular Biology.

2. Conducted independent research in Masters Level: "**Characterization, Proximate Composition and Mineral Profile Analysis of Different Sunflower (*Helianthus Annuus L.*) Genotypes**" and completed thesis work in the Department of Biochemistry, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

3. Worked as co-investigator on "**Supplementation of Micronutrients (B, Mn, Zn) by different techniques on Sunflower for improving Physiological traits**" under the department of Agronomy at Sher-e-Bangla Agricultural University, Dhaka.

4. Working as a chief investigator on "**Foliar application of zinc and boron induced leaves physiological and biochemical contents of tomato under drought stress**" under the Department of Biochemistry, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

5. Working as co-investigator on "**Performance of sulfur, zinc and boron on growth, seed yield and oil content of sunflower (*Helianthus Annuus L.*)**" under the department of Agronomy at Sher-e-Bangla Agricultural University, Dhaka.

PUBLISHED PAPERS

1. Khan, M., Mostarin, T., Khatun, K., Sumon, M. M., Imtiaz, A., & Samad, M. et al. (2022). Influence of Phosphorus Fertilization and Seed Rates on Yield Components and Yield of Black Cumin (*Nigella sativa L.*). Asian Journal of Advances in Agricultural Research, 38-50. doi: 10.9734/ajaar/2022/v18i130211

2. Mollick, M. O. A., Paul, A. K., Alam, I., & Sumon, M. M. (2020). Effect of Biochar on Yield and Quality of Potato (*Solanum tuberosum L.*) Tuber. International Journal of Bio-resource and Stress Management, 11(5): 445-450.

3. Sumon, M. M., Ahmed, K. U., Nuruddin, M. M., Hossain, A., & Hussain, M. A (2020). Comparative Study on Physicochemical Composition of Different Genotypes of Sunflower Seed and Mineral Profile of Oil Cake. The Agriculturists, 18(2): 83-93

RESEARCH GRANTS

1. Supplementation of Micronutrients (B, Mn, Zn) by different techniques on Sunflower for improving Physiological traits. PR- Dr Md. Hasanuzzaman and CR- Munshi Mohammad Sumon. Granted by Ministry of Science and Technology, Government of the People's Republic of Bangladesh.(2020-2021). Amount: 200000 Taka
2. Foliar application of zinc and boron induced leaves physiological and biochemical contents of tomato under drought stress. PR- Munshi Mohammad Sumon. Granted by Sher-e-Bangla Agricultural University Research System (SAURES). (2022-2023) Amount: 100000 Taka
- 3 Performance of sulfur, zinc and boron on growth, seed yield and oil content of sunflower (*Helianthus Annuus L.*). PR- Dr Md. Hasanuzzaman and CR- Munshi Mohammad Sumon. Granted by Ministry of Science and Technology, Government of the People's Republic of Bangladesh.(2022-2023) Amount: 200000 Taka

PARTICIPATION IN CONFERENCES, TRAINING, AND WORKSHOP

1. Training Workshop on "Intellectual Property Right" at Sher-e-Bangla Agricultural University, Dhaka, 26 June, 2021.
2. Training Workshop on "Scientific Paper Writing and Publication" at Sher-e-Bangla Agricultural University, Dhaka, 24 July, 2019.
3. Basic Molecular Biology and Disease Resistance- Arranged by Bangladesh Rice Research Institute, Gazipur, Bangladesh. Duration: 23-28 march, 2019.
4. Responsibilities of Teachers, Outcome Based Education and Different Rules & Regulations Arranged by Sher-e-Bangla Agricultural University, Dhaka, Bangladesh. Duration: 12-13 January, 2019.

ACHIEVEMENTS

1. Deans Award, Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh, 2019.
2. National Science and Technology (NST) Fellowship (2017-18), Ministry of Science and Technology, Government of the People's Republic of Bangladesh, 2018 .

SOCIETAL MEMBERSHIPS

1. Member of the Bangladesh Society for Biochemistry and Molecular Biology
2. Member of the Sher-e Bangla Agricultural University Alumni Association (SAUAA),
3. Member of the Sher-e-Bangla Agricultural University Teacher's Association (SAUTA)
4. Member of the Krishibid Institution of Bangladesh, Dhaka.

LANGUAGE PROFICIENCY:

Overall IELTS score: 6.5

(Listening-6.5, Reading-6.5, Writing- 6.5 and Speaking- 6.5)

SOFTWARE

MS word	Excel
R software for statistics data analysis	Statistics 10
Prism for graph.	R Studio

PERSONAL INFORMATIONS

Name : Munshi Mohammad Sumon
Father's Name : Mohammad Ayub Munshi
Mother's Name : Monjuna Begum
Date of Birth : 27/11/1994
Nationality : Bangladeshi (by Birth)
Religion : Islam
Marital Status : Married
Blood Group : A+
National ID : 2805558695
Passport No : A03001053
Home Town : Rasulpur, Khankhanapur, Rajbari Sadar, Rajbari, Dhaka.

REFERENCES

Referee 1

Md Arif Hussain

Assistant Professor

Department of Biochemistry

Faculty of Agriculture

Sher-e-Bangla Agricultural University,
Dhaka-1207, Bangladesh.

&

Doktorand (Ph.D. Student)

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Referee 2

Prof. Dr. Kamal Uddin Ahmed

Department of Biochemistry

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