

MD SHAMSUZZAMAN

Assistant Professor

Department of Biochemistry

Faculty of Agriculture

Sher-e-Bangla Agricultural University

Sher-e- Bangla Nagar, Dhaka-1207, Bangladesh

Phone number: +8801717218961 (Mobile)

E-mail: zaman@sau.edu.bd

Website: www.sau.edu.bd

Web profile: <https://sau.edu.bd/teacher/116>

Research gate: <https://www.researchgate.net/profile/Md-Shamsuzzaman-7>



WORK EXPERIENCE

01/07/2021 – Current

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

01/07/2019 – 30/06/2021

Lecturer, Department of Biochemistry, Faculty of Agriculture, Sher-e-Bangla Agricultural University

17/02/2019 – 30/06/2019

Scientific Officer, (TRB-BRRI), Bangladesh Rice Research Institute, Gazipur, Dhaka, Bangladesh

11/02/2017 – 16/02/2019

Assistant Teacher, Junior Laboratory High School, Dhaka, Bangladesh

TEACHING EXPERIENCE

Lecturer, Department of Biochemistry, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh for 2 years and Assistant professor in the same department for about 1.5 years. Delivering lectures, demonstrating lab works and evaluation and making exam sheets in different courses at Bachelor of Science and Masters of Science (MS) in the Department of Biochemistry in Agriculture faculty of Sher-e-Bangla Agricultural University.

Conducting Courses:

- Chemistry of Biomolecules

- Intermediary Metabolism and Food Nutrition
- Molecular Biology of Genes
- Advanced Chemistry of Protein and Enzyme

RESEARCH INTEREST

- Molecular Biology
- Molecular Breeding
- Bioinformatics and Computational Genomics
- Genetic Engineering
- Plant Nutrition

EDUCATIONAL QUALIFICATIONS

Master of Science (MS) in Biochemistry Duration: Jan-June/2021 – Current	Thesis: ‘Nutrient composition of wild and cultivated edible mushrooms grown in Bangladesh’ (on going) Department of Biochemistry, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh Result: GPA 4.0 (1 st Semester)
Master of Science (MS) in Biotechnology Duration: Jul-Dec/2012 – Jul-Dec, 2014	Thesis: ‘Molecular Diversity Analysis of Different Somaclonal Variants in Potato (<i>Solanum tuberosum L.</i>) Through RAPD Marker’ Department of Biotechnology, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh Result: GPA 4.0 (On a scale of 4.00)
Bachelor of Science (BSc) in Agriculture Duration: Jan-June/2008 – Jul-Dec/2011	Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh Result: GPA 3.86 (On scale of 4.00) Merit position: 11th (among 212 students)
Higher School Certificate (HSC) Duration: 2005 – 2006	Science Group, Jessore Board, Bangladesh Result: GPA 5.00 (On a scale of 5.00)
Secondary School Certificate (SSC) Duration: 2003 – 2004	Science Group, Jessore Board, Bangladesh Result: GPA 5.00 (On a scale of 5.00)

AWARDS AND FELLOWSHIP

- Deans Award for academic excellence during undergraduate studies

- Awarded National Science and Technology (NST) Fellowship from Ministry of Science and Technology, Government of the People's Republic of Bangladesh.

RESEARCH EXPERIENCE

- Responsible as an investigator in a project titled '**Assessment of the effect of different plant growth regulators (PGRs) on *in vitro* plant regeneration of *Aloe vera* L.**' funded by Ministry of Science and Technology, Government of the People's Republic of Bangladesh.
- Worked as a research assistant of the following title during Masters of Science in Biotechnology
 - (a) Molecular Characterization of Some Local Potato (*Solanum tuberosum* L.) of Bangladesh Through RAPD Marker"
 - (b) Molecular Characterization of Brinjal (*Solanum melongena* L.) Using RAPD Markers
 - (c) Polymorphism Study in Ginger through RAPD Markers

TRAINING

- 'Teaching-Learning, Assessment and Implementation of Outcome Based Curriculum' at Institutional Quality Assurance Cell (IQAC), Sher-e-Bangla Agricultural University, Bangladesh, Dhaka, Bangladesh (Duration: 27/07/2019 – 28/07/2019)
- 'Roles and Responsibilities of University Teachers' at Directorate of Outreach Program, Sher-e-Bangla Agricultural University (on 25/07/2019)
- 'Scientific Paper Writing and Publication' Sher-e-Bangla Agricultural University Research System (on 24/07/2019)
- 'Training on Basic Biotechnology' at National Institute of Biotechnology, Ashulia 1349, Dhaka, Bangladesh (Duration: 20/12/2014 – 24/12/2014)

SKILLS AND EXPERTISE

- Extraction, quantification of plant DNA
- Running PCR machine
- Management practice in lab, pot and field
- Project management

LANGUAGE SKILL

Fluent in English and Bengali both in oral & written (As Medium of instruction: English) **IELTS score: 6.5**

DIGITAL SKILLS

Microsoft Office, Microsoft Word, Social Media, Microsoft Excel, Microsoft Powerpoint, Zoom, Google Docs, MSTATC, SPSS, Statistix10.

PUBLICATIONS

- Islam MS, Hoque ME, Alauddin M, **Shamsuzzaman M**. Molecular characterization and diversity analysis of some local potato (*Solanum tuberosum* L.) genotypes of Bangladesh by RAPD markers. SAARC Journal of Agriculture. 2022 Dec 29;20(2):43-55. <https://doi.org/10.3329/sja.v20i2.63469>
- Ahmed J, Mahmud F, Sultana S, **Shamsuzzaman M**. Appraisalment of genetic variability and character association of kenaf (*Hibiscus cannabinus*): Genetic variability and character association of kenaf. SAARC Journal of Agriculture. 2022 Dec 29;20(2):31-42. <https://doi.org/10.3329/sja.v20i2.63449>
- **Shamsuzzaman M**, Bhattacharjya DK, Islam M, Hoque M. Molecular diversity analysis of somaclonal variants of potato (*Solanum tuberosum* L.) by random amplified polymorphic DNA markers. Annual Research & Review in Biology. 2021 Apr 12;36(3):63-76. <https://doi.org/10.9734/arrb/2021/v36i330353>
- Islam MS, Hoque MA, Sumi SA, Jony M, Kamrunnahar SA, **Shamsuzzaman M**. 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. 2020 Feb 13:1-9. DOI: [10.9734/ijpss/2020/v32i130230](https://doi.org/10.9734/ijpss/2020/v32i130230)

WORKSHOP AND CONFERENCE ATTAINED

Venue	Duration	Theme
University of Dhaka, Bangladesh	November 11-13, 2019	4 th IPFS-ICBHA-2019 (Innovations in Plant and Food Sciences - IPFS and International Conference on Biotechnology in Health and Agriculture- ICBHA)
National Science and Technology Complex, Agargaon, Dhaka, Bangladesh	November 25-27, 2022	5 th Young Scientist Congress

PROFESSIONAL MEMBERSHIP

- **‘Life Member’**, Sher-e-Bangla Agricultural University Teachers Association (SAUTA)
- **‘Life Member’**, **Agriculturist Institution, Bangladesh.**
- **‘General Member’**, Krishibid Institution (Institution of Agriculturists), Bangladesh
- **‘General Member’**, Sher-e-Bangla Agricultural University Alumni Association (SAUAA)

REFEREE

Dr. Md. Ekramul Hoque

Professor

Department of Biotechnology,
Sher-e-Bangla Agricultural University
Sher-e-Bangla Nagar, Dhaka-1207
Mobile No: +8801712836595
E-mail: ekramul.sau@gmail.com

Dr. Debu Kumar Bhattacharjya

Associate Professor

Department of Biochemistry
Sher-e-Bangla Agricultural University
Sher-e-Bangla Nagar, Dhaka-1207
Mobile No: +8801710413903
E-mail: debu.sau13@gmail.com