



MUHAMMAD SIRAJUDDAULA

Mailing Address: Block A/603, Kabi Kazi Nazrul Islam Hall,
Sher-e-Bangla Agricultural University, Bangladesh

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 [Sirajuddaula Arafat](#)

Sex: Male | Date of Birth: 1999-11-22 | Nationality: Bangladeshi

OBJECTIVE

A highly motivated student seeking to pursue advanced research opportunities in plant-soil-environment synergy. Dedicated to advancing crop resilience through innovative experimentation and contributing to global agricultural sustainability.

RESEARCH INTEREST

- Plant physiology
- Plant-Pest and Disease Ecology
- Plant and soil interaction
- Crop genetics
- Nanotechnology in agriculture

EDUCATION

MS in Agricultural Botany

Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
September 2024 – present

BSc in Agriculture

Sher-e-Bangla Agricultural University, Bangladesh
Graduated: June 2024
CGPA: 3.49/4.00

RESEARCH EXPERIENCE

Research Assistant | Department of Agronomy

Sher-e-Bangla Agricultural University, Bangladesh | Oct 2024 – Present

- Assisting with experiments involving plants abiotic stress and mitigation strategies and collaborating with team members to analyze data and prepare reports.

Research Assistant | Department of Soil Science

Sher-e-Bangla Agricultural University, Bangladesh | Feb 2024 - Aug 2024

- Participated in a Ministry-funded project on nano urea and moisture stress in *Vigna radiata*.

Undergraduate Volunteer Research Assistant | Department of Entomology

Sher-e-Bangla Agricultural University, Bangladesh | Jan 2024 – Feb 2024

- Contributed to a study on bio-intensive management and data collection and analysis of seasonal leaf miners infesting tomato plants.

Undergraduate Volunteer Research Assistant | Department of Soil Science

Sher-e-Bangla Agricultural University, Bangladesh | Nov 2023 – Jan 2024

- Contributed to a study on effect of organic and inorganic fertilizer on the growth and yield of mung bean by collecting and analyzing data on soil fertility, crop growth, pod collection, and fertilizer treatments.

SKILLS

Lab & Field Skills: pH testing, soil texture and nutrient content analysis, experimental design, electron microscopy, fluorescence measuring, SPAD meter, moisture meter, EC meter, spectrophotometer, centrifuge machine, crop data collection.

Data analysis: R, SPSS, GIS(ArcGIS), basic Python.

Software Proficiency: MS office, MySQL, HTML, CSS, JavaScript, WordPress, Canva.

Teaching: Lesson planning, mentoring, time management, effective communication.

AWARDS & CERTIFICATIONS

- **Awards:**
 - Talent Pool Education Board Scholarship (2015–17).
 - Best Journalist Award, Sher-e-Bangla Agricultural University (2023).
- **Certifications:**
 - Advanced Data Analysis Using R (Kerala Agricultural University, India, 2024).
 - GIS Training Course (Sher-e-Bangla Agricultural University, 2024).

CONFERENCE ATTENDED

- Attended the **23rd Science Council of Asia Conference**, Dhaka (2024), gained insights into advanced research methodologies and presentation skills.

EXTRA CURRICULAR ACTIVITIES

- **President**, Sher-e-Bangla Agricultural University Journalists' Association (2024-25)
- **Campus Journalist:** Published 150+ articles in *Daily Protidiner Bangladesh* on agriculture, research, social issues, and national topics.
- **Co-founder, Agri-Science Society:** Promoting sustainable agriculture through farmer consultations and events.

LANGUAGES

English: Fluent

Hindi, Urdu: Intermediate in speaking

Bangla: Native

REFERENCES

References available upon request.

References

Letters of Recommendation will be provided upon request. Below are the contact details of referees willing to support my application.

1. **Prof. Dr. Mohammad Saiful Islam Bhuiyan**
Department of Soil Science
Sher-e-Bangla Agricultural University, Bangladesh
Email: saifulsau07@yahoo.com
Phone: +880 1731 214924
2. **Prof. Dr. Mohammad Humayun Kabir**
Department of Horticulture
Sher-e-Bangla Agricultural University, Bangladesh
Email: kabirsau@yahoo.com
Phone: +880 1552 409822
3. **Prof. Dr. S. M. Mizanur Rahman**
Department of Entomology
Sher-e-Bangla Agricultural University, Bangladesh
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