



Safial Muntasir Sadi

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Date of birth: 18/12/2000 **Place of birth**: Chittagong, Bangladesh **Nationality**: Bangladeshi

ABOUT ME

A researcher focused on the molecular and physiological basis of crop stress resilience, leveraging data analysis to characterize genetic variation and inform climate-smart precision breeding.

EDUCATION AND TRAINING

[01/01/2020 - 16/10/2025]

Bachelor of Science (Honours) in Agriculture

Hajee Mohammad Danesh Science and Technology University hstu.ac.bd/

City: Dinajpur | **Country**: Bangladesh | | **Final grade**: 3.433 out of 4.00

[01/04/2016 - 01/04/2019]

Higher Secondary Certificate, Science Background

Chittagong College <https://ctgcollege.gov.bd/>

City: Chittagong | **Country**: Bangladesh | | **Final grade**: 4.75 out of 5.00

WORK EXPERIENCE

City: Dinajpur | **Country**: Bangladesh

[12/08/2025 - 12/10/2025]

Internship in Soil Resource Development Institute

Completed a soil science internship at SRDI, gaining hands on expertise in field sampling and lab analysis using spectrophotometers.

Department of Genetics and Plant Breeding, (HSTU)

Email address: arif.gpb@hstu.ac.bd

[15/07/2023 - 11/12/2025]

Volunteer Research Assistant

Conducted morphological data collection and analysis under Prof. Dr. Md. Arifuzzaman, contributing to manuscript preparation.

BITAID <https://surl.li/rkciqd>

Link <https://surl.lt/idiprr>

[01/05/2021 - Current]

Technical director

Co-producer and designer of multimedia tech content, including app reviews, for multi-platform broadcast on YouTube and Facebook.

PUBLICATIONS

[2024]

Effectiveness of Combined Control Measures for Rugose Spiraling Whitefly in Bangladesh: A Scoping Review

Reference: 10.38124/ijisrt/25jun1530

Recommended IPM strategies to control invasive whitefly in Bangladesh through a scoping review.

Authors: Abdur Rahman Al Mamun, Safial Muntasir Sadi, Anisuddoha Arpi Arpon, Md Rubel Mia | **Journal Name**: IJISRT(International Journal of Innovative Science and Research Technology)

[2025]

Biochar based closed loop systems : Integrating pyrolysis, carbon sequestration, and regenerative farming for zero-waste agriculture.

Developed a zero-waste biochar system converting biomass to enhance soil health and sequester carbon.

Authors: Safial Muntasir Sadi, Shikath Ghosh Timon, Aruporna Ghosh Nidhi | **Journal Name:** The International Conference on Environmental and Climate Action (ICECA)

[2025] [Salinity , Scarcity, and Survival: How Climate Change is Poisoning Bangladesh's Irrigation Water](#)

Analyzed climate impacts on Bangladesh's irrigation, proposing adaptive strategies and policy reform for food security.

Authors: Safial Muntasir Sadi, Tarak Bin Saifullah | **Journal Name:** 3rd International Online Conference on Agriculture by MDPI

[2025] [Production of haploids in bread wheat F1s using Wheat-Maize crosses.](#)

Investigating haploid production in bread wheat F1 hybrids through Wheat-Maize cross techniques to accelerate breeding cycles.

Authors: Md. Ashiqur Rahman, Sohana Jui, Md. Arifuzzaman, Md. Tareque Ibn Anwar, **Safial Muntasir Sadi** | **Journal Name:** Youth 6th International Conference of Biotechnology on Health and Agriculture (ICBHA - 2025)

Molecular characterization of T. Aman rice landraces available in Bangladesh

Conducted molecular characterization of T. Aman rice landraces to assess genetic diversity for breeding.

Authors: Alkasim Muhammad Sulaiman, Md. Tareque Ibn Anwar, **Safial Muntasir Sadi**, Md. Arifuzzaman | **Journal Name:** Youth 6th International Conference of Biotechnology on Health and Agriculture (ICBHA - 2025)

CONFERENCES AND SEMINARS

[26/09/2025 - 27/09/2025]

Youth 6th International Conference of Biotechnology on Health and Agriculture (ICBHA - 2025) organized by GNOBB and Shere-e-Bangla Agricultural University
Bangladesh

Presented award worthy research on haploid production in wheat using Wheat-Maize crosses.

[27/08/2025 - 29/08/2025]

The International Conference on Environmental and Climate Action (ICECA) organized by Asian University
Bangladesh

Presented a scalable biochar system integrating pyrolysis and farming to boost carbon sequestration and yields.

[20/10/2025]

3rd International Online Conference on Agriculture by MDPI Online

Presented research linking climate-induced water salinity and scarcity to severe threats.

HONOURS AND AWARDS

SZHMT Research Fellowship Award 2024

Led a team as a national finalist, winning 120,000 BDT for a research proposal on Boro rice pest infestation in northern Bangladesh.

Link: <https://szhmtrust.org/latest-events>

Quarter finalist In First National Astro Debate Carnival 2024

Demonstrated expertise in structured argumentation and public speaking in a competitive British Parliamentary (BP) debate tournament.

Link: <https://url-shortener.me/6UKN>

Interhall(Hajee Mohammad Danesh Science and Technology University) Debate Champion in 2022

Champion, HSTU Interhall Debate Championship 2022, a significant personal milestone.

Hult Prize HSTU business Case Competition

Placed 5th in a competitive business case competition by presenting a multi-faceted critical solution.

VOLUNTEERING

[01/04/2025 - Current] **Society of Environment** Secretary

Coordinated a 300-student workshop, online environmental sessions, and a campus-wide "Clean Campus" initiative.

[01/04/2020 - 08/07/2024] **Debating Society of HSTU** Office Secretary

Experienced in organizing debate events and adjudicating; a National Semifinalist and Interhall Debate Champion.

Link: <https://www.facebook.com/groups/1880001728946501>

[04/04/2020 - 04/06/2021] **Eco Network, HSTU** Volunteer Coordinator

Organized a Regional Environmental Olympiad and contributed to a national online environmental campaign.

Link: <https://www.facebook.com/groups/286174362482487>

[01/04/2017 - Current] **Project Hashimukh** Associate and Founding member

Led relief efforts since 2017, assisting 3000+ individuals affected by disasters and during festivals.

Link: <https://www.facebook.com/hashimukhproject>

LANGUAGE SKILLS

Mother tongue(s): Bangla

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

TRAINING AND COURSES

[04/06/2025 - 07/07/2025] **Data Analysis with R Programming for Agriculture and Life Sciences - IAAS**

Completed intensive 30-hour "Data Analysis with R Programming for Agriculture and Life Sciences" training, June-July 2025.

[15/08/2025 - 16/08/2025] **A two-day training workshop on the "Environmental Management System (EMS): ISO 14001:2015"**

Trained in ISO 14001:2015 EMS, skilled in environmental issue identification and communication.

[30/05/2025 - 31/05/2025] **Achieving market access for plants and plant products - FAO**

Completed e-learning on phytosanitary standards for exporting plants and mitigating pest risks.

DIGITAL SKILLS

GIS/programming (C, R) / SPSS/Microsoft Office / Microsoft Excel / PowerPoint / Google suite/ /OpenShot/Canva / Microsoft Word / Adobe Illustrator/ Photoshop