

# Sanjana Tabassum Tuba

Scientific Officer, Plant Breeding Division, BRRI, Gazipur

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📍 Plot: 06/2, Road: 06, Cadet College Housing Area, Gazipur 1701



## PROFESSIONAL EXPERIENCE

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**2024- Present**

Position

Key Responsibilities

*Bangladesh Rice Research Institute (BRRI), Gazipur*

**Scientific Officer, Plant Breeding Division**

Research and Development

- Field Trials and Experimentation
- Data Analysis and Reporting
- Collaboration and Coordination
- Resource Management

**2022-2023**

Position

Key Responsibilities

*University Grants Commission (UGC) Project*

**Research Assistant**

Involved in research work in applications of bioinformatics field entitled 'Genome-Wide Characterization of Ethylene Insensitive (EIN/EIL) Genes in Rice and Maize.'

- Retrieval and identification of EIL family genes, Construction of phylogenetic tree, Multiple sequence alignment and protein homology modeling, Chromosome localization and gene duplication, Promoter analysis, and Analysis of RNA-sequencing data of *Oryza sativa* (japonica).
- Interpretation of the results and drawing justification about the contribution of the EIL/EIN gene family in *Oryza sativa* (japonica).
- Use of tools like MEGA 7.0, ClustalX v2, SWISS Model, MEME suite v5.1.0, TB tool, e MapGene2Chrom web v2 web, and PlantCARE.

**2022-2023**

Position

Key Responsibilities

*Department of Plant Breeding & Genetics, Faculty of Agriculture, BAU*

**Research Assistant**

Involved in a research work entitled 'Morphological characterization and genetic analysis in fine and aromatic advanced breeding lines of rice.'

- Experimentation with various morphological parameters of advanced rice breeding lines.
- A comprehensive analysis of milling properties, physical properties, nutritional properties, cooking properties, and sensory properties conducted in collaboration with IRRI-PPP Grain Quality Testing (GQTL) Laboratory.
- Evaluation of genetic parameters and other statistical analyses to elucidate the genetic underpinnings of rice quality traits.
- Interpretation of the results to identify the top rice genotypes.

<b>April to October 2022</b>	<b>Bangladesh Institute of Nuclear Agriculture (BINA)</b>
Position	<b>Research Assistant</b>
Key Responsibilities	Involved in a short research work entitled 'Screening for heat tolerance in rice genotypes at seedling stage.'
<b>January to April 2021</b>	<b>Lojens, Educational Website</b>
Position	<b>Community Relationship Executive</b>
Key Responsibilities	Responsible for developing questions and creating content aligned with specific chapters for competitive job exams.

## EDUCATION

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2023	<b>Master of Science in Genetics and Plant Breeding Department</b> Bangladesh Agricultural University, Mymensingh CGPA 3.922 out of 4.00
2022	<b>Bachelor of Science in Agriculture</b> Bangladesh Agricultural University, Mymensingh CGPA 3.858 out of 4.00
2016	<b>Higher Secondary Certificate</b> Uttara High School and College GPA 5.00 out of 5.00, Group- Science, Board- Dhaka
2014	<b>Secondary School Certificate</b> Uttara High School and College GPA 5.00 out of 5.00, Group- Science, Board- Dhaka

## MASTER'S THESIS

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- GENETIC ANALYSIS AND CHARACTER ASSOCIATION OF YIELD AND YIELD CONTRIBUTING TRAITS OF MAIZE (*Zea mays*).**  
 Supervisor: Dr. A B M Arif Hasan Khan Robin, Department of Genetics and Plant Breeding, Bangladesh Agricultural University, Mymensingh.  
 Co-supervisor: Shamsun Nahar Begum, Head and CSO, Plant Breeding Division, Bangladesh Institute of Nuclear Agriculture.

## SKILLS AND COMPETENCIES

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Technical Skills	MS Office, Data Analysis (SPSS, MINITAB, R), SurveyMonkey, Research Design and Implementation, Bioinformatics tools (TB tools, SWISS Modelling, MapGene2Chrom, MEGA 7.0, and ClustalX).
Management Skills	Communication and interpersonal skills, Decision-making and leadership, Strategic negotiation, Diligent, Time management, Adaptability, Emotional intelligence and empathy, Continuous learning and growth mindset.

## LANGUAGE PROFICIENCY

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English	Full Professional Proficiency (Second Language)
Bangla	Native or Bilingual Proficiency (Mother Tounge)

## TRAINING AND WORKSHOPS

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August 2023	<b>Statistical Packages for MS Students in Agriculture (SPMSA)</b> Successfully completed a 10-day statistical packages training course covering Minitab, SPSS, and the R programming language, organized by the Department of Agrometeorology at Bangladesh Agricultural University in Mymensingh.
June 2023	<b>National Career Carnival 2023</b> Successfully participated in the National Career Carnival held on 09 June 2023 at Shilpacharya Zainul Abedin Auditorium, BAU, Mymensingh.
June to July 2022	<b>Certificate in Effective Presentation Skills</b> Successfully completed 16 hours of virtual session on effective presentation skills from Anudip Foundation Skill and Career Development Center in collaboration with BRAC in Dhaka, Bangladesh.
March 2020	<b>Extension Field Trip, DAEE, BAU</b> Experienced a week-long Extension Field Trip from 08 March to 13 March 2020 at Barhatta upazila under Netrokona district.
September 2019	<b>Developing Global Connections through Language Skill</b> Successfully participated in the workshop 'Developing Global Connections through Language Skill' held on 26 September 2019 by Bangladesh Agricultural University Language Club, BAU, Mymensingh.

## LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

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2020 to Present	<b>BADHAN BAU Zonal Council (Mymensingh, Bangladesh)</b> <b>Advisor of BSFMH Unit</b> Since its inception, "BANDHAN" Bangladesh Agricultural University Zonal Council has been meeting the demand for blood for the welfare of the people of greater Mymensingh with a total of 13 units. <ul style="list-style-type: none"><li>My primary role is to provide guidance and support to potential blood donors in my unit, helping them make informed decisions about blood donation. Additionally, I assist other BADHAN members in various programs, surveys, critical decision-making processes, problem-solving, and rapport-building initiatives with donors and the BADHAN BAU Zone.</li></ul>
March 2020	<b>Extension Field Trip of DAEE, BAU</b> <b>Cultural Leader</b> Participated in a 7-day educational trip to Barhatta Upazila under Netrokona district. As a cultural leader, I played a pivotal role in organizing a cultural program on the final day of our tour.

## ACHIEVEMENTS

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2022 to 2023	National Science and Technology (NST) Fellowship, Ministry of Science and Technology, Bangladesh.
2018	11th position, Trailblazer 1.0; An intra-university business plan competition.
2017	Higher Secondary School Scholarship; Merit-based grant for students in the science field.

## ONLINE COURSES AND CERTIFICATES

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- Successful Negotiations: Essential Strategies and Skills Negotiation Course authorized by the University of Michigan and offered through Coursera (2020).
- Project Management: The Basic for Success Project Management Course authorized by the University of California and offered through Coursera (2020).
- Excel Skills for Business: Essentials Course authorized by the University of Macquarie and offered through Coursera (2020).
- Introduction to Personal Branding Course authorized by the University of Virginia and offered through Coursera (2020).

## PERSONAL INFORMATION

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Name	: Sanjana Tabassum Tuba
Father's Name	: Md. Sirajul Islam
Mother's Name	: Shakila Khan
Mailing Address	: Plot: 06/2, Road: 06, Cadet College Housing Area, Gazipur 1701
Date of Birth	: 10 <sup>th</sup> August, 1998
Marital Status	: Married
Spouse Name	: Hasibur Rahman Khan
Blood Group	: B (+) ve

## REFERENCES

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Dr. Md. Shahjahan Kabir  
Director General  
Bangladesh Rice Research Institute (BRRI)  
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