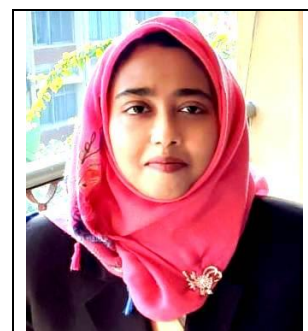


Academic Resume of **Nusrat Jahan**



1. **Name** : Nusrat Jahan
2. **Father's Name** : Mohammad Nurun Nabi
3. **Mother's Name** : Hosne Ara Begum
4. **Husband's Name** : Saleh Mohammad Rashid Alok
5. **Sex** : Female
6. **Date of Birth** : July 24,1991
7. **Mobile No.** : +88 01681 881 015
8. **Nationality** : Bangladeshi (By Birth)
9. **Religion** : Islam
10. **Social status** : Married (One child)
11. **Permanent Address** : Village: Kauljani, Post Office: Kauljani-1973
Upazilla.: Bashail, District: Tangail, Country: Bangladesh
12. **Present Address** : Scientific Officer, Plant Breeding Division, Bangladesh Rice
Research Institute, Gazipur-1701, Bangladesh
13. **Email** : njahansau@gmail.com, nusrat.breeding@brri.gov.bd

14. Educational Qualification

| Degree | University/ Institution | CGPA/ Division | Year of passing | Major subjects |
|-------------------------------------|-----------------------------------------------------------|----------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MS in Genetics & Plant Breeding | Bangabandhu Sheikh Mujibur Rahman Agricultural University | 3.88 out of 4.00 | 2020 | Genetics & Plant Breeding (Genetics, Cytogenetics, Plant Breeding, Advanced Plant Breeding, Molecular Genetics Quantitative Genetics, Breeding Field Crops, Plant Biotechnology, Plant Tissue Culture, Plant Physiology and Microclimate) |
| B.Sc. Ag. (Hons.) | Sher-e-Bangla Agricultural University | 3.86 out of 4.00 (11 th Merit position) | 2014 | Genetics & Plant Breeding, Biotechnology, Biochemistry, Agril. Statistics, Agronomy, Horticulture, Soil Science, Plant Pathology, Entomology, Agril. Chemistry, Agril. Extension, Agroforestry, Agril. Economics, Farm mechanics etc. |
| Higher Secondary School Certificate | Dhaka City College | 5.00 out of 5.00 | 2008 | Bangla, English, Physics, Chemistry, Biology and Mathematics |
| Secondary School Certificate | Bashir Uddin Ideal High School | 5.00 out of 5.00 | 2006 | Bangla, English, Physics, Chemistry, Biology, Mathematics, Higher Mathematics, Social Science and Religion |

15. Job Experience

| Designation | Duration | Location |
|--------------------|-------------------------|----------------------------------------|
| Scientific Officer | From 26-07-2015 to date | Plant Breeding Division, BRRI, Gazipur |

16. Research Activities

MS Research: The research was conducted to identify and characterize novel sources of salt tolerance from a set of 94 rice accessions having diverse origin. 1 K RiCA panel SNP markers were used to investigate molecular genetic diversity of the population. Molecular analysis including genome wide association studies (GWAS) for different traits were performed by TASSEL 5.0 software.

Thesis Title: Genome wide association analysis to explore salinity tolerance in local aman rice (*Oryza sativa* L.)

I am currently involved as co- investigator in the following breeding programs

1. Improvement of deep-water rice breeding program
2. Upland rice development breeding program
3. Jhum rice development breeding program

I was acted as co- investigator for development of upland rice, salinity tolerant rice and insect resistant rice breeding program during 2015 to 2018.

In Addition, I was also responsible for working as Co- investigator in the following project activities during 2015 to 2018.

1. TRB-BRRI project (Salinity Part) for increasing genetic gain of rice through Rapid Generation Advance, Genomic Selection & Automation.
2. Stress Tolerant Rice for South Africa and Asia (STRASA)-Salinity project for Development of Salinity Tolerant Rice varieties suited to the coastal zone of Bangladesh.
3. Rice physiological development through trait discovery for boosting rice yield in changing climatic conditions for the component of plant breeding.
4. Exploration and validation of gall-midge resistant sources for developing tolerant rice variety for the component of plant breeding.

17. Extension activities

I conducted several Participatory Varietal Selection (PVS) of different Salinity Tolerant genotypes in southern region of Bangladesh under (STRASA)-Salinity project.

Other Relevant Experiences

Data analysis: I have the practical knowledge to operate and interpret MSTAT C, GENSTAT, SPSS, CROPSTAT, STAR, PB Tools, Meta-R, and open source R-software. I can also operate molecular breeding softwares like, Tassel 5, GGT, QGgene, Power marker, Map Manager, Flapjack software for data analyzing.

17. Training Information

| Sl. No. | Title | Duration | Sponsoring Agency |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| 1 | Two Month Rice Production Training Course. | 2 Months (30 August-28 October, 2015) | BRRRI, Gazipur |
| 2 | Hand on training on Barcoading, Data Collection and Post-harvest Operation | 4 days (07-10 August, 2017) | Plant Breeding Division, BRRRI, Gazipur |
| 3 | Hands-on training on operation and maintenance of RGA Greenhouse Ref. No.: T-336/16/2920 Date: 12.10.17 | 1 day (12 October, 2017) | Plant Breeding Division, BRRRI, Gazipur |
| 4 | Development of Hybrid Rice and seed production | 5 days (05-09 November, 2017) | BRRRI, Gazipur |
| 5 | Hands-on training on P-rep design Ref. No.: T-336/16/2957 Date: 05.12.17 | 1 day (05 December, 2017) | Plant Breeding Division, BRRRI, Gazipur |
| 6 | Hands-on training on “Breeding4Rice Online data management system” and “Estimation of Genetic Gain of BreedingLines Using R” Ref. No.: T-317/15 (Part-2)/3013 Date: 17.01.2018 | 2 days (17-18 January, 2018) | Plant Breeding Division, BRRRI, Gazipur |
| 7 | Hands-on Training on Analysis of low-density genotyping data (SNP marker data) Ref. No.: T-336/16/3037 Date: 20.02.2018 | 2 days (20-22 February 2018) | Plant Breeding Division, BRRRI, Gazipur |
| 8 | Statistical Analysis by open source R-Software | 5 days (08-12 April 2018) | ICT Division, BARI, Gazipur |
| 9 | Hands-on Training on ‘Bioinformatics data management, TASSEL 5 software and leaf sampling logistics’ Ref. No.: T-336/16/3076 Date: 15.04.2018 to 17.04.2018 | 3 days (15-17 April, 2018) | Plant Breeding Division, BRRRI, Gazipur. |

| Sl. No. | Title | Duration | Sponsoring Agency |
|---------|-------------------------------------------------------|-------------------------------|---------------------------------------------------------|
| 10 | Excel based data analysis for early career scientists | 3 days (07-09 March, 2021) | Bangladesh Agricultural research council (BARC), Dhaka. |
| 11 | Training on C ₄ Rice Phenotyping | 2 days (25-26 April, 2021) | BRRI, Gazipur |

Language Skill

Having good command on writing and speaking in both Bengali & English

Membership of Professional Societies

1. Krishibid Institution Bangladesh (KIB)
2. Bangladesh Rice Research Institute Scientist`s Association
3. Plant Breeding and genetics society of Bangladesh.

Name and Address of the referees:

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| <p>Dr. A. K. M. Aminul Islam Professor, Dept. of Genetics & Plant Breeding Director (Research), Bangabandhu Sheikh Mujibur Rahman Agricultural University Gazipur 1706, Bangladesh Mobile: +88-01715 401 519 Email: directorresearch@bsmrau.edu.bd aminul.gpb@bsmrau.edu.bd</p> | <p>Dr. M. Akhlasur Rahman Principal Scientific Officer (PSO) Plant Breeding Division & Head BRRI R/S Bhanga Bangladesh Rice Research Institute (BRRI) Joydebpur, Gazipur-1701 Mobile: +8801758479150 E-mail: akhlas08@gmail.com rakhlasur@yahoo.com</p> |
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I hereby declare that the above statements are correct and complete to the best of my knowledge.



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