

WAZIFA AFRIN

Scientific Officer, Plant Breeding Division, BRRRI Regional Station, Rangpur

EDUCATION:

- 2014 - 2016** Master of Science (MS) in Genetics and Plant Breeding, Bangladesh Agricultural University, Bangladesh. CGPA 3.56 out of 4.00
- 2010 – 2014** Bachelor of Science in Agriculture (Honours), Bangladesh Agricultural University, Bangladesh. CGPA 3.52 out of 4.00
- 2006-2008** Higher Secondary School Certificate, Science Group. N.S. Govt. College, Natore, Bangladesh. GPA 5.00 out of 5.00
- 2006** Secondary School Certificate, Science Group. Natore Govt. Girls' High School, Natore, Bangladesh. GPA 5.00 out of 5.00

STUDY

EMPHASES:

Principles of Genetics, Cytology and Cytogenetics, Advanced Plant Breeding, Hybrid Breeding, Molecular Genetics, Molecular Plant Breeding, Biometrical and Population Genetics, Biotechnology and Genetic Engineering, Stress breeding, etc.

TRAINING

EXPERIENCE:

- 1 Three-session long B4R Training from September-October 2020, Organized by International Rice Research Institute (IRRI).
- 2 Practical workshop for high-throughput sampling and analysis during 18-19 September, 2018, organized by TRB-BRRRI project, Bangladesh Rice Research Institute, Bangladesh.
- 3 Hands on training on Barcoding, Data collection apps and Post-harvest operations during 7-10 August 2017, organized by TRB-BRRRI project, Bangladesh Rice Research Institute, Bangladesh.
- 4 Hands-on Training on P-rep Design on 5 December 2017, organized by TRB-BRRRI project at Bangladesh Rice Research Institute, Bangladesh.
- 5 Training on "Communicative English" during August to September 2015, organized by Department of Languages, Bangladesh Agricultural University, Bangladesh.
- 6 Training on "Data Analysis: MSTATC and SPSS" during 7-18 September 2014, organized by Graduate Training Institute, Bangladesh Agricultural University, Bangladesh.
- 7 Training on "Basics of MS Office" during 5-16 May 2013, organized by Graduate Training Institute, Bangladesh Agricultural University, Bangladesh.

- 8 Attended the six-day academic field attachment in a rural area entitled "Extension Field Trip" during 19-24 May 2013, organized by Department of Agricultural Extension Education, Bangladesh Agricultural University, Bangladesh

PERSONAL SKILLS:

Mother tongue(s) Bengali
Other language(s) English

Computer Skills: Efficient in using Microsoft Excel, office, Powerpoint, data analysing software such as PB Tools, STAR, R statistical software, SPSS, MSTATC, MINITAB, AlphaEaseFC software, Power Marker etc.

- Publications:**
1. **W Afrin**, MH Nafis, MA Hossain, MM Islam, MA Hossain (2018). Responses of rice (*Oryza sativa* L.) genotypes in different level of submergence. *Competes Rendus Biologies*. 341(2): 85-96
DOI: <https://doi.org/10.1016/j.crv.2018.01.001>
 2. MH Nafis, **W Afrin**, MA Hossain, MB Akter, MAK Azad, MA Hossain (2018). Assessment of genetic variability for short duration and high yielding NERICA rice mutant lines. *Scholars Journal of Agriculture and Veterinary Sciences (SJAVS)*, May 2018, 5(5): 277-282
 3. **W Afrin**, MA Hossain, MM Islam (2017). Evaluation of yield and yield contributing traits for submergence tolerance of rice. *Progressive Agriculture*. 28(1): 7-11

DOI: <http://dx.doi.org/10.3329/pa.v28i1.32851>

Conference Paper:

1. **W afrin**, M. R. A. Sarker, P. S. Biswas, K. M. Iftekharuddaula (2019), Quality Control (QC) Genotyping of Parental Lines for Precision Rice Breeding. Presented on 11th Biennial conference: Plant Breeding and Genetics Society of Bangladesh. (Oral presentation)
2. P. S. Biswas, M. R. A. Sarker, **W. Afrin**, K. M. Iftekharuddaula, M. A. Rahman, M. Khatun, M. A. Kader, T. L. Aditya, M. R. Islam, G. N. Atlin and M. S. Kabir (2019), Estimation of Breeding Values and Use in Parental Selection Decision Accelerates Genetic Gain in Rice.
3. **Wazifa Afrin**, Mirza Mofazzal Islam, M. Amir Hossain (2017). Characterization and Identification of Submergence Tolerance Rice Genotypes through SSR Markers. Presented on 10th Biennial conference: Plant Breeding and Genetics Society of Bangladesh. (Oral presentation)

Honours and Awards

1. TRB_BIRRI Project Annual Award: 2020, Irrigated and Cold Tolerance Rice Breeding Team.
2. TRB_BIRRI Project Annual Award: 2019, Irrigated and Cold Tolerance Rice Breeding Team.
3. National Science and Technology (NST) fellowship, Ministry of Science and Technology, People's Republic of Bangladesh.