

## **CURRICULUM VITAE**

**Dr. Salma Akter** Senior  
Scientific Officer Plant Physiology  
Division  
Bangladesh Rice Research Institute  
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### **1.0. PERSONAL PROFILE**

1.1	Name	: Dr. Salma Akter
1.2	Father's name	: Md. Abdus Satter
1.3	Mother's name	: Sahida Khatun
1.4	Permanent address	: Vill.-Kandania, P.O. -Kandania, Thana- Fulbaria, District- Mymensingh, Bangladesh
1.5	Date of birth	: 06 June, 1988
1.6	Place of birth	: Mymensingh, Bangladesh
1.7	Marital status	: Married
1.8	Sex	: Female
1.9	Nationality	: Bangladeshi by birth
1.10	National ID no.	: 5060110086
1.11	Basic degree	: B. Sc. Agriculture (4 yrs degree)
1.12	Field of specialization	: Rice Physiology
1.13	Date of joining	: 03 June, 2012 in BRRI
1.14	Blood Group	: O <sup>+</sup> (positive)
1.15	Physique	: Hight 5'; Weight 57Kg
1.16	Mailing address	: Senior Scientific Officer Plant Physiology Division Bangladesh Rice Research Institute Gazipur 1701, Bangladesh

### **2.0 ACADEMIC QUALIFICATION**

<b>Name of Institution</b>	<b>Principal Subject</b>	<b>Degree</b>	<b>Passing Year</b>	<b>Result</b>	<b>GPA/C GPA</b>	<b>Distinction</b>
B. A. R. I. High School	Science		2003	A	4.75	5
Gazipur Govt. Mohila College	Science		2005	A	4.20	5
Bangabandhu Sheikh Mujibur Rahman Agricultural University	Agriculture	B. Sc. Ag. (Hons)	2009	A (6 <sup>th</sup> )	3.80	4
Bangabandhu Sheikh Mujibur Rahman Agricultural	Genetics and Plant	M.S.	2012	A	3.79	4

University	Breeding				
Bangladesh Agricultural University	Crop Botany	PhD	2022	Satisfactory	

CGPA = Cumulative Grade Point Average

### 3.0 TRAINING RECEIVED

Name of program	Institution	Year	Period
Implication of Molecular Tools in Crop Improvement under stress Environment	Bangladesh Rice Research Institute, Gazipur-1701	2013	5 days
Genetic Data Analysis Software	Bangladesh Rice Research Institute, Gazipur-1701	2013	6 days
Rice Breeder Seed Production and Preservation Training Course	Bangladesh Rice Research Institute, Gazipur-1701	2013	3 days
Two Month Rice Production Training Course	Bangladesh Rice Research Institute, Gazipur-1701	2014	2 month
Research Methodology	Graduate Training Institute, Bangladesh Agricultural University	2014	13 days
Use of Fertilizer Recommendation Guide-2012	Bangladesh Agricultural Research Council, Dhaka	2015	3 days
Training Course on “Programming R for experimental design and data analysis”	Bangladesh Rice Research Institute, Gazipur-1701	2017	5 days
Rice Physiological Development through Trait Discovery	Bangladesh Rice Research Institute, Gazipur-1701	2018	6 days
Advanced Research Data Management using R Studio and Refresher of Scientific Report Writing Training Courses	Bangladesh Rice Research Institute, Gazipur-1701	2021	6 days
Bioinformatics for Future Rice	Bangladesh Rice Research Institute, Gazipur-1701	2024	14 days

### 4.0 EXTRA CURRICULUM ACTIVITIES AND MEMBERSHIP

- Member of Krishibid Institution,
- Member of Plant Breeding and Genetics Society of Bangladesh.
- Member of Agronomy Society.
- Member of BRRISA
- Member of BSPST

### 5.0 EMPLOYMENT RECORD

- Service Period: From June 2012 to 2019 and 2019 to till date.
- Employer: Bangladesh Rice Research Institute
- Position: Scientific Officer (S.O.) and Senior Scientific Officer (S.S.O.), respectively.
- Research Experience:
  - Planning, execution and supervision of the research and reporting the result of stress (Salinity, drought, submergence, cold) related rice cultivation

#### ▪ Research Interest

Stress physiology and breeding especially salinity stress related works in rice.

## 6.0 ACHIEVEMENTS

- Characterization and evaluation of tolerance level of salt tolerant breeding lines BR7100-R-6-6 (BRRRI dhan67), IR78761-B-SATB1-28-3-24 (BRRRI dhan73) and IR77092-B-2R-B-10 (BRRRI dhan78).

## 7.0 OTHER RELEVANT ACTIVITIES/INFORMATION

- Computer skills on MSword, MSEXcel, PowerPoint, (statistical software eg. Crop STAT-C, SPSS, R studio etc.
- Ability on English speaking, listening, reading and writing.

## 8.0 LIST OF PUBLICATIONS

### Journal Paper

1. **S. Akter**, M. G. Rasul, A. K. M. Aminul Islam, and M. M. Hossain. Genetic Variability, Correlation and Path co-efficient Analysis of Yield and Quality Traits in Pumpkin (*Cucurbita moschata* Duch ex Poir.). *Bangladesh J. Pl.Breed. Genet.*, 26(1): 25-33, 2013.
2. **S Akter**, R Yasmeen, H U Ahmed, M R A Sarkar and M S Rahman. Salinity Tolerance of Some Elite Rice Breeding Lines at Reproductive Stage. 2014. *Bangladesh Rice J.* 18(1 & 2): 35-40.
3. Anowara Akter, M Jamil Hasan, Umma Kulsum, M H Rahman, A K Paul, L F Lipi and **Salma Akter**. 2015. Genotype x Environmental Interaction and Yield Stability Analysis in Hybrid Rice (*Oryza sativa* L.) By AMMI Biplot. *Bangladesh Rice J.* 19(2): 83-90.
4. **S. Akter**, R. Yasmeen, T. Halder, A. Biswas, M. M. Rahman and L. Ferdousi. 2016. Performance Study of Some T. Aman Varieties under Normal Transplanting and Double Transplanting System. *SAARC J. Agri.*, 14(1): 37-45.
5. R Yasmeen MM Rashid S Pervin A Biswas T Halder and **S Akter**. 2016. Evaluation of Boro Rice Varieties under Conventional and Double Transplanting Methods. *Eco-friendly Agril. J.* 9(06): 35-41.
6. **S Akter**, S Pervin, KM Iftekharuddaula, A Akter, R Yasmeen. 2016. Characterization and Evaluation of Aerobic Rice Genotypes under Transplanted Condition. *Bangladesh Rice j.* 20(1): 45-50.
7. L.F. Lipi, M.J. Hasan, A. Akter, M.R. Quddus, P. L. Biswas, A. Ansari1 and **S. Akter**. 2020. Genetic Variation, Heritability and Genetic Advance in Some Promising Rice Hybrids. *SAARC J. Agric.*, 18(2): 39-49.
8. M. A. ISLAM, **S. AKTER**, M. J. ALAM, M. A. SARKAR, M. A. LATIF & M. ALI. 2019. Management of Whitefly Infesting Tomato by Intercropping. *Bangladesh j. entomol.* 29(2), 59-73. ISSN 1021-1004.

9. M. A. ISLAM, **S. AKTER**, M. J. ALAM AND M. A. SARKAR. 2019. Development of Management Approach Against Insect Pest Complex of Coconut. *Bangladesh j. entomol.* 29(2), 75-80. ISSN 1021-1004.
10. Biswas, A., Ahmed, M.M.E., Halder, T., **Akter, S.**, Yasmeen, R. and Rahman, M.S. 2019. Photosensitive Rice (*Oryza sativa* L.) Varieties under Delayed Planting as an Option to Minimize Rice Yield Loss in Flood Affected T. Aman Season. *Bangladesh Rice Journal.* 23, 1 (Mar. 2020), 65-72.
11. Maniruzzaman S, Rahman MA, Hasan M, Rasul MG, Molla AH, Khatun H, Iftekharuddaula KM, Kabir MS, **Akter S.** Molecular Mapping to Discover Reliable Salinity-Resilient QTLs from the Novel Landrace Akundi in Two Bi-Parental Populations Using SNP-Based Genome-Wide Analysis in Rice. *International Journal of Molecular Sciences.* 2023 Jul 6;24(13):11141.
12. Maniruzzaman S, Rahman MA, Hasan M, Rasul MG, Molla AH, Khatun H, **Akter S.** Genetic mapping to detect stringent QTLs using 1k-RiCA SNP genotyping platform from the new landrace associated with salt tolerance at the seedling stage in rice. *Plants.* 2022 May 26;11(11):1409.
13. M.A. ISLAM, **S. AKTER**, P. ROY AND R. ISLAM. Development of Integrated Pest Management Package against the Major Insect Pests. *Int. J. Expt. Agric.* 2023 July 13(2): 30-34.
14. M.A. ISLAM, **S. AKTER**, P. ROY AND R. ISLAM. Relative Susceptibility of Existing Groundnut Varieties against Sucking Insect Pests, Hairy caterpillar and Leaf roller. *Int. J. Sustain. Crop Prod.* 2024 February 19(1): 01-05.

#### Poster:

1. R. Yasmeen, **S. Akter**, H. U. Ahmed, M R. A. Sarkar and M. S. Rahman. Phenotyping of Rice Breeding Lines for Salinity Tolerance. Poster presented in International Rice Congress (IRC, 2014) at Bangkok, Thailand on October 28 to November 1, 2014.
2. **Salma Akter**, MS Pervin and MA Islam. Characterization of Rice Germplasm for Reproductive Stage at Different Saline Condition. Poster presented in the 3<sup>rd</sup> international conference on “Plants for Food, Security under Climate Change” at Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh on 23-24 February, 2024.

#### Abstract:

1. **S Akter**, A Biswas, T Halder and R Yasmeen. 2014. Comparative Physiological Study on Some BRRI Varieties under Normal Transplanting and Double Transplanting System. *Rice Research Abstracts 2014.* Plant Physiology Division, BRRI, Gazipur-1701, Bangladesh.
2. R Yasmeen and **S Akter**. 2014. Characterization of Rice Genotypes for Salt Tolerance at Seedling and Reproductive Growth Stage. *Rice Research Abstracts 2014.* Plant Physiology Division, BRRI, Gazipur-1701, Bangladesh.



(**Salma Akter**)  
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