

## Curriculum Vitae of Sheikh Maniruzzaman

Sheikh Maniruzzaman  
Scientific Officer  
Plant Breeding Division  
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### (A) Personal Information :

Name: Sheikh Maniruzzaman  
Father's Name: Sheikh Babar Ali  
Mother's Name: Hisha Begum  
Permanent address: Vill.- Tipna  
P.O.-Kharnia  
P. S.-Dumuria  
Dist.-Khulna  
Sex: Male  
Passport No.: OC2098339  
National ID: 9150206978  
Date of Birth: 8th December, 1985  
Nationality: Bangladeshi  
Religion: Islam (Sunni)  
Marital status: Married  
Blood Group: O<sup>(+)</sup>ve  
Height: 5- 4.5"  
Complexation: Fair  
Weight: 65 kg.

### (B) Educational Qualification (In Reverse Chronology):

Name of Exam.	Name of Board/University	Course Duration	Division/CGPA	Year of Passing
Doctor of Philosophy	Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Gazipur, Bangladesh	4 Year	Satisfactory	2022
Master of Science	Bangladesh Agricultural University (BAU), Mymensingh, Bangladesh	1.5 Year	CGPA 3.917 in out of 4.00	2010
Bachelor of Science in Agriculture (Honours) [B.Sc.Ag. (Hons.)]	Patuakhali Science and Technology University (PSTU), Patuakhali, Bangladesh	4 Year	CGPA 3.57 in out of 4.00	2008
Higher Secondary Certificate (H.S.C) (Science Group)	Jessore	2 Year	First Division	2002
Secondary School Certificate (S.S.C) (Science Group)	Jessore	10 Year	First Division (Star Marks)	2000

**(C)Local Training:**

Sl. No.	Institution	Location	Year	Duration		Name of Programme	Grade
				Mos.	Days		
1	GTI, BAU	Mymensingh	2009	-	13	Basic of MS Office	Successfully completed
2	BRRRI	Gazipur	2011	-	7	1- Week Rice Production Technology	Outstanding (2nd Position)
3	BRRRI	Gazipur	2011	-	3	Utilization of Bangladesh Rice Knowledge Bank Training Course	Successfully completed
4	BRRRI	Gazipur	2011	-	2	Financial Management of SPGR sub-projects	Successfully completed
5	BRRRI	Gazipur	2012	-	3	Hybrid Rice Seed Production Technology	Successfully completed
6	BADC	Dhaka	2013	-	3	Cereal Seed Processing and Post-harvest Technology	Successfully completed
7	BRRRI	Gazipur	2014	2	-	Two-month Rice Production Training Course	Outstanding (2nd Position)
8	BRRRI	Gazipur	2015	-	5	Experimental Design and Data Analysis Course	Successfully completed
9	BRRRI	Gazipur	2017	-	5	Programing R for Experimental Design and Data Analysis	Successfully completed
10	BRRRI	Gazipur	2017	-	3	Modern Rice production Training Course	Successfully completed
11	BRRRI	Gazipur	2017	-	3	Experimental Design and Data Analysis	Successfully completed
						Training Course	

Sl. No.	Institution	Location	Year	Duration		Name of Programme	Grade
				Mos.	Days		
12	NATA	Gazipur	2017	-	5	Disaster Management in Agriculture	Successfully completed
13	BRRRI	Gazipur	2017	-	1	Hands on Training on P-rep Design	Successfully completed
14	BSMRAU	Gazipur	2018	-	3	Statistical Data Analysis	Successfully completed
15	BRRRI	Gazipur	2019	-	4	Basic Molecular Biology and Disease Resistance	Successfully completed
16	BRRRI	Gazipur	2021	-	6	Advanced Research Data Management using R Studio and Refresher of Scientific Report Writing Training Course	Successfully completed
17	SCA	Gazipur	2022	-	5	Field Inspection and Field Certification of Notified	Successfully completed
18	BRRRI	Gazipur	2022	-	5	Hybrid Rice Cultivation and Seed Production Technology	Successfully completed
19	BRRRI	Gazipur	2022	-	5	Introduction to Basic Concepts on Genetics and Plant Breeding	Successfully completed

BRRRI – Bangladesh Rice Research Institute, BADC – Bangladesh Agricultural Development Corporation, GTI- Graduate Training Institute, NATA- National Agriculture Training Academy, BSMRAU-Bangabandhu Sheikh Mujibur Rahman Agricultural University, SCA- Seed Certification Agency

**(D) Foreign Training**

Sl. No.	Institution	Location	Year	Duration		Name of Programme	Grade
				Month	Days		
1	IRRI	Hyderabad, India	2014	-	14	Rice Breeding: Recent Developments, Emerging Challenges and future Needs	Successfully completed
2	YAAS	Yunnan, China	2015-2016	12		Gene Mining From Wild Species for Rice Yield Improvement	Successfully completed
3	IFC	Yunnan, China	2016	-	05	Training Course of Upland Rice Breeding, Demonstration and Extension	Successfully completed

IRRI – International Rice Research Institute, YAAS – Yunnan Academy of Agricultural Sciences, IFC – Institute of Food Crops

**Participate in Workshop and Seminar (Foreign)**

Title	From-To	Duration	Venue
The 2 <sup>nd</sup> Workshop on Exchange and Cooperation for Agricultural Sciences and Technology in China-South Asia	29/10/15-31/10/15	03 Days	Hotel Expo Garden, Kunming, Yunnan, China
The 7 <sup>th</sup> Steering Meeting and Workshop, Exchange and Cooperation Consortium for Agricultural Science and Technology in GMS	16/11/15-21/11/15	06 Days	Hotel Expo Garden, Kunming, Yunnan, China
Workshop on Upland Rice Breeding, Demonstration and Extension	24/03/2016	01 Day	No.2 Meeting Room, IFC, YAAS, Kunming, Yunnan China
Yunnan Conference on International Exchange of Professionals (YCIEP)	13/06/16-16/06/16	04 Day	Empark Grand Hotel, Kunming, Yunnan China

Symposium on Exchange and Cooperation to Enhance Innovation for Agricultural Science and Technology in South and Southeast Asia	11/06/17-15/06/17	05 Day	Lianyun Hotel, Kunming, Yunnan China
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### **Research Interest**

- Rice Breeding for stress tolerant (salt tolerant, tidal submergence tolerant, drought tolerant, and submergence tolerant) with high yield potential
- Gene-mining from wild Rice species (Erect panicle gene) for Rice yield improvement
- Rice breeding for short duration and Upland Condition
- True breeding for rice
- Biotechnology (Marker assisted breeding, QTL mapping, Bioinformatics)

### **Work and /or Research Experience**

- Working as a scientific officer in Plant Breeding Division, Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh.
- Date of joining in BRRI: 09 February, 2011 and Working experiences: 12 years
- Work descriptions (Please see APPENDIX-A)

### **Language Proficiency**

- Have better reading, listening, writing and speaking skills in English
- Completed the compulsory course LCM-201: Communicative English Language in partial fulfillment of the requirements for the degree of B.Sc.Ag. (Hons.) approved by the Patuakhali Science and Technology University.
- The medium of instruction was English in both B.Sc.Ag (Hons.) and MS level

### **Computer Literacy**

- Skilled on hardware fundamentals, Microsoft word, Microsoft excel, data management and data analysis using computer based software and Microsoft power point.

### **Administrative Responsibilities**

- Worked as a Principle Investigator of Hybridization Program (Crossing, F<sub>1</sub> confirmation, selection from F<sub>2</sub> to onward generations) of Bangladesh Rice Research Institute (BRRI), Regional Station, Sagardi, Barisal, Bangladesh during 10 July, 2013 to 23 March 2022.
- Acted as a Co-investigator in various trails (OYT, RYT, MLT, PVT) related to Variety Development Program of Bangladesh Rice Research Institute (BRRI), Bangladesh during 10 July, 2013 to till date.
- Acted as a Convener of Parches and repairing, tender, environment, farm product and house allocation committee of Bangladesh Rice Research Institute (BRRI), Regional Station, Sagardi, Barisal, Bangladesh during 10 July, 2013 to till date.

### **Involvement in Professional Association:**

<b>Association Name</b>	<b>Nature of Membership</b>	<b>Year of Registration</b>
Krishibid Institution of Bangladesh	General Member	2009
BRRI Scientist Association(BRRISA)	General Member	2013
BRRI Officer's Club	General Member	2013
PBGSB	Life Member	2016

### **Country Visited**

- Study tour in all over Bangladesh and some part of India and Training in Hyderabad, India and Yunnan, China.

### **Publications:**

- No. of full paper as the Principal Author- 04
- No. of full paper as Co-Author- 11

### **Principal author (04)**

Maniruzzaman, S., Debsharma, S. K., Ahmed, M. E., Ali, M. H., & Hera, M. H. R. GGE Biplot Analysis for Genotype× Environment Interaction on Yield Trait of rice in Bangladesh Irrigated Environments.

Maniruzzaman, S., Rahman, M. A., Hasan, M., Rasul, M. G., Molla, A. H., Khatun, H., & Akter, S. (2022). 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*, 11(11), 1409.

Sheikh Maniruzzaman, M., Rabbani, G., Akter, T., Barua, R., Brua, J. L., & Haque, M. M. (2017). Effects of Cut Corm and Plant Spacing on Yield and Quality of Gladiolus (*Gladiolus grandiflorus* L.).

S Manizzaman, T Akter, R Barua, Z Ahmed and M S Islam. 2011. Effects of cut corm and plant spacing on vase life on gladiolus. *Eco-friendly Agril. J. 4(12):779-782.*

**As Co-author (11)**

Sultana, A., Debsharma, S. K., Mondal, S., Maniruzzaman, S., Islam, M. A. F., Rahim, M. A., & Haque, M. A. Effect of Planting Time on Growth and Yield of Garlic (*Allium sativum* L.) Genotypes.

Hossain, M. S., Ali, M. A., Khan, M. A. I., & Maniruzzaman, S. (2020). Prevalence and Transmission of *Fusarium moniliforme*: A Seed Borne Pathogen of Rice. *Bangladesh Rice Journal*, 24(1), 11-19.

Hossain, M. S., Ivy, N. A., Raihan, M. S., Kayesh, E., & Maniruzzaman, S. (2020). Genetic Variability, Correlation and Path Analysis of Floral, Yield and its Component Traits of Maintainer Lines of Rice (*Oryza sativa* L.). *Bangladesh Rice Journal*, 24(1), 1-9

R Barua, MSU Bhuiya, MM Kabir, S Maniruzzaman and Z Ahmed; 2011. Effect of Mimosa (*Mimosa invisa*) compost and phosphorus on the yield and yield components of lentil (*Lens culinaris* L.). *The Agriculturists 9 (1&2): 63-72(2011).*

Z A Jewel, A K Patwary, S Maniruzzaman, R Barua and S N Begum; 2011. Physico-chemical and genetic analysis of aromatic rice (*Oryza sativa* L.) Germplasm. *The Agriculturists 9 (1&2):82-88(2011).*

M M Kabir, M A R Sarkar, R Barua, S Maniruzzaman and M H R Mukul. 2011. Effect of variety and weed management on the yield and yield components of Wheat (*Triticum aestivum*) *Eco-friendly Agril. J. 4(08):648-674.*

G Rahman, A Rahman, S Maniruzzaman, R Barua and T Akter. 2011. Effect of different levels of nitrogen and stem pruning on growth and yield of tomato (*Lycopersion esculentum*), *Eco-friendly Agril. J. 4(11):746-752.*

M S Islam, N Islam, R Barua, S Maniruzzaman and T Akter. 2011. Performance of mixed cropping of mungbean with off-season Tossa Jute seed crop, *Eco-friendly Agril. J. 4(12):779-782.*

M H Ullah, M M Khan, L Ali, S Maniruzzaman and M I Alam. 2012. Influence of Variety and Postharvest Treatment on Banana, *Eco-friendly Agril. J.* 5(07):90-93.

L Ali, M A K Mian, M G Rasul, M M Hossain and S Maniruzzaman. 2011. Heterosis in Selected Combination of A and R Lines in Rice, *Eco-friendly Agril. J.* 4(09):684-6865.

M. M. M. A. Syed, M. M. H. Khan, M. H. Ullah, L. Ali and S. Maniruzzaman. 2011. Farmers Selected Characteristics and Their Attitude Towards The Use of Agrochemicals in Fruit Production, Bangladesh J. Seed Sci. & Tech 15 (1 & 2): 139-146.

**Name and Address of Referees**

**Professional Referee 1:**

**Dr. Khandakar Md. Iftekharuddula**

Chief Scientific Officer (Plant Breeding Division) and Head  
Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh  
Email: kiftekhar03@yahoo.com  
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**Professional Referee 2:**

**Dr. Md. Akhlasur Rahman**

Principal Scientific Officer  
Plant Breeding Division  
Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh  
Phone no. +8801758479150  
Email: akhlas08@gmail.com

Sheikh Maniruzzaman  
28 September, 2022

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**Signature of the applicant with date**

#### Appendix-A: Work Descriptions

SL No.	Work Descriptions
01	I have been carrying out research on different Varietal Development Programs such as hybridization, F <sub>1</sub> confirmation, selection from F <sub>2</sub> to onward generations, rice breeding for tidal submergence, salt tolerant, green super rice, disease resistant improvement of upland rice, short duration and high zinc content. I conducted various trails like OT (Observational trail), PYT (Preliminary Yield Trail), SYT (Secondary yield Trial), RYT (Regional Yield Trial), MLT (Multi Location Trial) and PVT (Proposed Variety Trial) related to Variety Development Program. In addition,I conducted technology transfer activities like farmer field demonstrations, farmer’s trainings, field days and also conducted technology transfer through radio talk since my joining.
02	I also worked with various project like “Integrated Agricultural Productivity Project” (IAPP), “Strengthening of Rice Breeder Seed Production and Maintenance of Nucleus Stock”, “Development and Utilization of Bangladesh Rice Knowledge Bank” (DUBRKB) and “Enhancement of Qualified Seed Supply” (EQSS) and **“Transforming Rice Breeding” (TRB) ** indicate ongoing project.
03	I obtained some promising lines that are suitable for tidal submergence tolerant in tidal prone area with high yield potential by using conventional breeding and already released two varieties such as BRRI dhan76 and BRRI dhan77.