

CURRICULUM VITAE



- 1 Name : **Dr. MD. MAMUNUR RASHID**
2 Father's Name : Md. Rahat Ali
3 Mother's Name : Sarah Khatun
4 Gender : Male
5 Religion : Islam
6 Designation : Senior Scientific Officer, Plant Physiology Division,
Bangladesh Rice Research Institute
Gazipur-1701, Bangladesh
E-mail: mrashidbrri@gmail.com, mrbri@yahoo.com,
mamunur.phys@bri.gov,
7 Date of joining in the present position : 20 February 2011
8 Date of first joining in service : 28 February 1999
9 Date of birth and age : 02/02/1973 & 49 yrs 04 months (To date as of 03
June 2022)

10 ACADEMIC QUALIFICATIONS:

Name of the Examination	Board/ University	Year of Passing	Result	Distinction
Secondary School Certificate (S.S.C.)	Jessore	1987	1st	-
Higher Secondary Certificate (H.S.C.)	Jessore	1989	2nd	-
Bachelor of Science in Agriculture (B.Sc.Ag.)	Bangladesh Agricultural University (BAU), Mymensingh	1993 (Held in 1997)	1st	5th position
Master of Science in Entomology (M.S. in Entom.)	BAU	June, 1999	Grade `A'	1st position
Ph.D.	BAU	2014	Pass	-

- 11. Field of specialization** :
- Abiotic and biotic stress physiology of rice
 - Growth, development and physiology of rice
 - Yield potential
 - Host plant nutrients and BPH interaction
 - Pest management
 - Technology dissemination

12. TRAINING COURSE:

Course Title	Institution	Location	Period		Grade
			From	To	

LOCAL TRAINING					
Rice Production, Communication and Office Management	Bangladesh Rice Research Institute (BRRI)	Gazipur	12 -07-1999	09-09- 1999	A ⁺
Disaster Management	BPATC	Chittagong	23-01-2000	30-01-2000	Satisfactory
Research Management Information System	BRRI	Gazipur	13-11-2000	20-11-2000	Satisfactory
Foundation Training Course	BARD	Comilla	15-04-2001	29-07-2001	A ⁺
Breeder Seed Production	BRRI	Gazipur	02-12-2001	06-12-2001	Satisfactory
Hybrid Rice Seed Production	BRRI	Gazipur	15-11-2003	16-11-2003	Satisfactory
Participatory Variety Selection and Socioeconomic Components in Experimental Sites	BRRI	Gazipur	30-06-2008	02-07-2008	Satisfactory
Climate Change and Bangladesh Agriculture	BARD	Comilla	01-12-2012	07-12-2012	Satisfactory
DSSAT Training Course	BRRI	Gazipur	09-02-2013	13-02-2013	Satisfactory
Use of Fertilization Recommendation Guide 2012	BRRI	Gazipur	11-11-2014	13-11-2014	Satisfactory
Project Development and Management	BRRI	Gazipur	07-12-2014	11-12-2014	Satisfactory
Financial Management	BIM	Dhaka	01-01-2018	10-01-2018	Satisfactory
Basic Molecular Biology and Disease Resistance	BRRI	Gazipur	23-03-2019	28-03-2019	Satisfactory
Agricultural Research Methodology	BRRI	Gazipur	22-12-2019	26-12-2019	Satisfactory
Rice Physiological Development Through Trait Discovery	BRRI	Gazipur	28-12-2019	02-01-2020	Satisfactory
Scientific Report Writing	BRRI	Gazipur	15-11-2020	19-11-2020	Satisfactory
Advance Research Data Management using R Studio and Refresher of Scientific Report Writing	BRRI	Gazipur	09-10-2021	14-10-2021	Satisfactory
Public Service Innovation	BRRI	Gazipur	28-05-2022	29-05-2022	Satisfactory
FOREIGN TRAINING					
Two- Week Rice Production	International Rice Research Institute (IRRI)	Philippines	01-09-2003	12-09-2003	Satisfactory
Hybrid Rice Technology for Bangladesh	Yuan Longping High-tech Agriculture Co., Ltd.	China	05-06-2013	24-09-2013	Satisfactory

13. Research Experiences:

Position	Duration	
	From	To
Scientific Officer (SO), Bangladesh Rice Research Institute (BRRI), Sonagazi	28 Feb 1999	09 May 2001
Scientific Officer (SO), Adaptive research Division, BRRI, Gazipur-1701.	10 May 2001	24 Feb 2007
Scientific Officer (SO), BRRI Kushtia	25 Feb 2007	19 Feb 2011
Senior Scientific Officer (SSO), Plant Physiology Division, BRRI, Gazipur-1701.	20 Feb 2011	till date

14. Distinction/Award:

- i. Received **Transforming Rice Breeding (TRB) Fifth Year Annual Award (2020)** on 05 October 2021 as a member of irrigated and cold tolerance rice breeding team
- ii. Received **Transforming Rice Breeding (TRB) Fourth Year Annual Award (2019)** on 24 October 2019 as a member of irrigated and cold tolerance rice breeding team
- iii. Received **Annual award for research and other activities during Covid-19** from DG, BRRI on 01 January 2021 as a member of Plant Physiology Division, BRRI
- iv. Received **Annual award for outstanding contribution in APA (2019-20)** of Plant Physiology Division, BRRI on 10 June 2021
- v. NSICT Fellowship, Bangladesh, 2011
- vi. In Country PhD scholarship by Bangladesh Agricultural Research Council, 2008.
- vii. Obtained "**Chairmans Award**" in the final evaluation of the "Foundation Training Course for the National Agricultural Research Systems Scientists" hold at BARD, Comilla during 15 April 2001 to 29 July 2001.
- viii. **Distinction (2nd position)** obtained in the final evaluation of the Training "Rice Production, Communication and Office Management" hold at BRRI Gazipur during 12 July 1999 to 9 September 1999.
- ix. **Distinction (1st position)** in MS in Entomology, BAU, Mymensingh
- x. **Distinction (5th position)** in BScAg (Hons), BAU, Mymensingh

15. Other Experiences:

- i. **Head** BRRI Regional Station, Sonagazi during 06-16 August 2000
- ii. **Head** BRRI Regional Station, Kushtia during 25 Feb 2007 to 26 April 2009

16. List of all publications:

A. Scientific full paper in journal

i) As principal Author:

1. **Rashid M. M.** and Yasmeen R. 2017. Cold Injury and Flash Flood Damage in Boro Rice Cultivation in Bangladesh: A Review. Bangladesh Rice J. 21 (1): 13-25
2. **Rashid M.M.**, Ahmed N., Jahan M., Islam K.S., Nansen C., Willers J.L. and Ali M.P. 2017. Higher fertilizer inputs increase fitness and trigger outbreaks of brown planthoppers in rice fields. Scientific Reports | 7: 4719 | DOI: 10.1038/s41598-017-05023-7

3. **Rashid M.M.**, Jahan M., Islam K.S. and Latif M.A. 2017. Ecological Fitness of Brown Planthopper, *Nilaparvata lugens* (Stål) to Rice Nutrient Management. *Ecological Processes* | 6:15 | DOI: 10.1186/s13717-017-0080-x
4. **Rashid M.M.**, Islam K.S. and Jahan M. 2017. Effects of nitrogen, phosphorous and potassium on host-choice behavior of brown planthopper, *Nilaparvata lugens* (Stål) on rice cultivar. *J Insect Behav* 30(5):1-15, DOI 10.1007/s10905-016-9594-9
5. **Rashid, M. M.**, K. S. Islam and M. Jahan. 2016. Impact of nitrogen, phosphorus and potassium on brown planthopper and tolerance of its host rice plants. *Rice Science*. 23(3): 119-131.
6. **Rashid, M. M.**, K. S. Islam and M. Jahan. 2016. Response of adult brown planthopper *Nilaparvata lugens* (Stål) to rice nutrient management. *Neotrop. Entomol.* 45(5):588-596.
7. **Rashid, M. M.**, K. S. Islam, M. Jahan, M. N. Bari and S. S. Haque. 2013. Effect of Nutrient Management on Population Growth of Brown Planthopper, *Nilaparvata lugens* (Stål). *Bangladesh Rice J.* 17(1&2): 42-52.
8. **Rashid, M. M.**, M. M. Hossain, M. Z. Alam, M. Ibrahim and M. K. A. Bhuiyan. 2003. Seasonal Abundance and Control of Spiraling White fly (*Aleurodicus dispersus*) on Guava. *Pakistan J. Biol. Sci.* 6(24):2050-2053.
9. **Rashid, M. M.**, M. Z. Alam, M. M. Hossain, M. Ibrahim and M. H. Kabir. 2003. Extent of Leaf Damage in Guava Twigs of Different Strata and Different Leaf Position of Twig by Spiraling White fly (*Aleurodicus dispersus*). *Pakistan J. Biol. Sci.* 6(1):57-60.
10. **Rashid, M. M.**, K. S. Islam and M. Jahan. 2002. Varietal susceptibility of guava to Spiraling Whitefly, *Aleurodicus dispersus* based on indirect damage. *Bangladesh J. Entomol.* 12(1 & 2):107-114.

ii) As co-author:

1. Yasmin R., **M.M. 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.
2. Alam, M. Z., T. Stuchbury, R. E. L. Naylor and **M. M. Rashid**. 2007. Genotypic and Seed Age Response of Germination and Early Seeding Growth to Salinity in Modern Rice. *Bangladesh Rice J.* 12(1 & 2):37-43.
3. Hossain, M., M. A. Mazid, M. M. Kamal and **M. M. Rashid**. 2007. Reduction of parasitic nematode by soil solarization in transplanted aman rice wheat system. *Bangladesh J. Agril. Res.* 32(4):533-540.
4. Alam, M. Z., M. A. A. Bhuiya, M. A. Muttaleb and **M. M. Rashid**. 2004. Effect of alternating saline and non-saline conditions on emergence and seedling growth of rice. *Pakistan J. Biol. Sci.* 7 (6): 883-890.
5. Husain, M. M., M. F. Islam, Z. Abedin, **M. M. Rashid** and M. Z. Alam. 2004. Direct wet - seeding using drum seeder: a new dimension of rice (*Oryza sativa* L.) cultivate on in Bangladesh. *The Agriculturists.* 2(1):146-152.
6. Husain, M. M., M. A. Haque, M. A. I. Khan, **M. M. Rashid** and M. F. Islam. 2003. Direct wet seeded method of establishment of rice under irrigated condition. *The Agriculturists.* 1(1):111-118.
7. Husain, M. M., **M. M. Rashid**, M. A. Haque, M. A. Islam, H. Kabir and M. A. Siddiquee. 2000. Effect of variety and sowing method on the growth and yield of upland aus rice in coastal saline soils. *Bangladesh J. Environ. Sci.* 6(2):324-328.

8. Husain, M. M., A. Saha, M. A. Islam, M. A. Muttaleb and **M. Rashid**. 1999. Adaptability and performance of some salt tolerant rice genotypes under coastal saline soil. *Journal of Agricultural Education and Technology*. 2(1):13-16.
9. Husain, M. M., A. Hossain, A. Saha, M. A. Salam and **M. Rashid**. 1998. Stability of Grain Yield and Some Other Parameters in Salt Tolerant Genotypes of Rice. *Bangladesh Agron. J.* 8(1 & 2):53-57.

B. Book/Monographs/Bulletins:

1. Biswas P.S., **M.M. Rashid**, H. Khatun, R. Yasmeen and J.K. Biswas. 2019. Scope and progress of rice research harnessing cold tolerance. **In:** Hasanuzzaman M, F Masayuki, N Kamrun and JK Biswas (eds) *Advances in Rice Research for Abiotic Stress Tolerance*. pp. 225-264. DOI: <https://doi.org/10.1016/B978-0-12-814332-2.00011-3>
2. **Rashid M. M.** and Yasmeen R. 2017. Rice cultivation in *haor*: Ways to avoid cold injury and flood risk. ধান গবেষণা সমাচার. 28th year. No.2 (July-September 2017) BRRRI Newsletter. Bangladesh Rice Research Institute, Gazipur 1701.
3. Islam, M. A., M. M. Husain, M. H. Kabir, M. Z. Abedin, **M. M Rashid** and M. A. Haque. 2006. লীফ কালার চার্ট (এলসিসি) ধানের চাহিদাভিত্তিক ইউরিয়া প্রয়োগের সশ্রয়ী প্রযুক্তি. Sponsored by IFAD/IRRI/BRRRI project. Published on December 2006. Adaptive Research Division. BRRRI, Gazipur.
4. Husain, M. M., M. F. Islam, M. Z. Abedin and **M. M. Rashid** 2005. ড্রাম সীডারের সাহায্যে কাদাময় জমিতে সরাসরি বপন পদ্ধতিতে ধান চাষ. Sponsored by IFAD/IRRI/BRRRI project. Published on March 2005. Adaptive Research Division. BRRRI, Gazipur.
5. Alam, M. Z. and **M. M. Rashid** 2004. ধানের ক্ষতিকারক পাতা খাদক পোকা ও গাছের ভিতরে বসে খায় এমন পোকাকার পরিচিতি ও দমন ব্যবস্থা . Published on January 2004. Progati Jubo Sangstha, Dumuria, Khulna, Bangladesh.
6. Husain, M. M., **M. M. Rashid** and M. A. Haque. 2003. সরাসরি বপন পদ্ধতিতে ধান চাষ প্রযুক্তি . Sponsored by IFAD/IRRI/BRRRI project. Published on January 2003. Adaptive Research Division. BRRRI, Gazipur.
7. Khan, M. A. I. and **M. M. Rashid**, 2003. রোপা আউশ (মালা)-রোপা আমন (বি আর২২/বি আর ২৩) ফসল বিন্যাস জোয়ার পঞ্চাবিত অলবনাজ দক্ষিণাঞ্চলের এশটি লাভজনক প্রযুক্তি. *Krishi Biplob*. 4th year. No.20 (Jul.16–Jul. 30, 2003). A Fortnightly Agricultural National Newspaper, Khan Printing and Packaging, 153/1, Arambag, Dhaka-1000.
8. Khan, M. A. I., **M. M. Rashid** and M. M. Husain. 2003. বি আর৪৮২৮-৫৪-৪-১-৪-৯ : বোরো মৌসুমে আবাদের জন্য সম্ভাবনাময়ন ধান. *In*. Page of Krishibarta, The daily Jugantor, June 5, 2003. A daily popular newspaper, Dhaka, Bangladesh.

C. Seminar/Workshop/Symposium/Proceedings/ Abstract:

1. **Rashid, M. M.**, R. Yasmeen, A. Biswas and J. K. Biswas. 2014. Studies on the cold tolerance of two advance rice genotypes (IR7749-31-2-1-3-1, IR2266-42-6-2) for whole growth periods under natural condition. *In:* M A Saleque, M A Kashem, M A Ali and M S Kabir (eds) *Rice Research Abstracts*, Bangladesh Rice Research Institute, Gazipur 1701.
2. Yasmeen, R., **M. Rashid**, H. Barman, J. Biswas. 2014. Evaluation of some selected cold tolerant rice genotypes for whole growth periods under natural condition. Poster no.-P150, Abstract

no.-IRC14-1282, Poster presented in 4th International Rice Congress, held on 27 October - 1 November 2014 at Bangkok, Thailand

3. Husain, M. M., M. S. Alam, M. A. Islam, **M. M. Rashid**, M. F. Islam, M. A. Rashid, M. A. Razzaque, M. S. I. Mamin, M. R. Islam, H. Kabir, S. Parvin, and H. R. Mukul. 2009. Experience with drum seeder for direct wet-seeding of rice in Bangladesh. Proceedings of the Workshop on Modern Rice Cultivation in Bangladesh, held on 19-21 September 2006 at the Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. pp. 81-92.
4. Husain, M. M., M. A. Islam and **M. M. Rashid**. 2008. Bangladeshi experience with a drum seeder for direct wet-seeding of rice. *In*: C.R. Riches, D. Harris, D.E. Johnson and B. Hardy (eds.) Improving Agricultural productivity in rice-based systems of the high barind tract of Bangladesh., International Rice Research Institute, Los Banos, Philippines. pp. 79-89.
5. Husain, M. M., M. F. Islam, M. S. Alam and **M. M. Rashid**. 2006. Direct wet-seeded rice using drum seeder: a new dimension in rice cultivation. Proceedings of the Workshop on Modern Rice Cultivation in Bangladesh, held on 19-21 April 2004 at the Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. pp. 241-257.
6. Husain, M. M., M. A. Haque and **M. M. Rashid**. 2004. Validation and transfer of some recent rice production technologies: BRRI experience. Proceedings of the Workshop on Modern Rice Cultivation in Bangladesh, held on 29-31 January 2002 at the Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. pp. 91-100.
7. Husain, M. M., **M. M. Rashid** and M. Z. Alam. 2004. Performance of BRRI developed MV rice in the coastal saline soils of Bangladesh. Proceedings of Workshop on Integrated Nutrient Management and Water Resources Utilization for Crop Production in the Coastal Saline Zones of Bangladesh, held on 26 June 2004 at BRRI, Gazipur-1701, Bangladesh. pp. 19-30.
8. Husain, M. M., **M. M. Rashid**, M. Z. Alam and M S I Mamin. 2004. Rice varieties appropriate for different agro-ecological zones of Bangladesh. Proceedings of Workshop on Technology Development, held on 23-24 May 2004 at BRRI, Gazipur-1701, Bangladesh. pp. 262-272.
9. **Rashid, M.M.** 2005. Direct wet-seeded rice using drum seeder: variety, planting density and seeding time effects. Paper presented in Thursday seminar, held on 18 August 2005 at the Bangladesh Rice Research Institute, Gazipur, Bangladesh.
10. **Rashid, M.M.**, M.Z. Alam and M A Haque. 2004. Seedling throwing: a low cost technique for rice establishment. Paper presented in Thursday seminar, held on 02 September 2004 at the Bangladesh Rice Research Institute, Gazipur, Bangladesh.

D. REPORTS:

1. Husain, M. M., A.U. Ahmed, **M. M. Rashid**, A. I. Khan and M. A. Haque. 2000. Technical report on “**Accelerated Dissemination of Rice Varieties (Aus 2000) Through On-Farm Demonstration, Seed Production and Training**”. Adaptive Research Division. BRRI, Gazipur.
2. Husain, M. M., A.U. Ahmed, A. K. M. Azmal, **M. M. Rashid**, M. F. Islam and M. H. Kabir. 2001. **Benchmark survey on “Accelerated Dissemination of Rice Varieties (T. Aman 2000) Through On-Farm Demonstration, Seed Production and Training**”. Adaptive Research Division. BRRI, Gazipur.
3. Husain, M. M., A.U. Ahmed, A. K. M. Azmal, **M. M. Rashid**, M. F. Islam and M. H. Kabir. 2001. Technical report on “**Accelerated Dissemination of Rice Varieties (T. Aman 2000) Through On-Farm Demonstration, Seed production and Training**”. Adaptive Research Division. BRRI, Gazipur.

4. Husain, M. M., M. A. Haque and **M. M. Rashid**. 2001. **Benchmark survey on “Accelerated Dissemination of Rice Varieties (Boro 2001) Through On-Farm Demonstration, Seed production and Training”**. Adaptive Research Division. BRRI, Gazipur.
5. Husain, M. M., M. A. Haque and **M. M. Rashid**, 2001. Technical report on **“Accelerated Dissemination of Rice Varieties (Boro 2001) Through On-Farm Demonstration, Seed production and Training**. Adaptive Research Division. BRRI, Gazipur.
6. **Rashid, M. M.**, M. A. Haque, M. M. Husain and S. Parveen. 2002. Technical report on **“Accelerated Dissemination of Rice Varieties (T. Aman 2001) Through On-Farm Demonstration, Seed production and Training”**. Adaptive Research Division. BRRI, Gazipur.
7. Husain, M. M., M. A. Haque, **M. M. Rashid** and M. A. I. Khan. 2002. **Completion report on “Identification of Improved Rice Production Technologies for Resource Poor Farmers”**. Adaptive Research Division. BRRI, Gazipur.
8. Husain, M. M., M. A. Haque, **M. M. Rashid** and M. A. I. Khan. 2003. **Annual progress report on “GO-NGO Collaborative Method of Technology Identification and Updating Uniform Rice Knowledge Appropriate for Resource-poor Farmers**. Adaptive Research Division. BRRI, Gazipur.
9. Husain, M. M., **M. M. Rashid** and M. R. Islam. 2004. **Completion report on “GO-NGO Collaborative Method of Technology Identification and Updating Uniform Rice Knowledge Appropriate for Resource-poor Farmers**. Adaptive Research Division. BRRI, Gazipur.

17. Special experience in project based research activities

SL. No	Name of the project and period	Responsibilities
1	Validation and Delivery of New Technologies for Increasing the Productivity of Flood prone Rice Lands of Bangladesh funded by IFAD from 1999-2003	Working Scientist
2	Poverty Elimination Through Rice Research Assistance (PETRA) funded by DFID, UK from 1999-2004	Working Scientist
3	Integrated Agricultural Productivity Project (IAPP)-BRRI part funded by World Bank from 2011-2016	Working Scientist
4	Transforming Rice Breeding (TRB)	Working Scientist
5	Short Duration Cold Tolerant Rice (SDCTR)	Working Scientist

18. Outstanding performance

1. Resource Person in Training Program:
 - a) Act as a resource person in “Rice School” and SAAO’s Orientation Training.
 - b) Act as a resource person of Rice production training at BRRI.
 - c) Act as a resource person in farmers Training organized by Department of Agricultural Extension (DAE).
2. Participated in technology transfer system:
 - a) Adoption of modern rice varieties through Seed Production and Distribution Program (SPDP) both T. aman and Boro season from 1999 to February 2011.
 - b) Dissemination/Upscaling of BRRI developed different technologies
 - d) Variety Adoption in *Jhum* system from 1999 to 2001.
 - e) Conducted Farmers' Variety Observational Trial (FVOT).
 - g) Disseminated research results/new information to the extension workers and farmers through farmers training/ rice school, field day, and agricultural exhibition etc.
 - h) Technologies uptake project under PETRRA.
 - i) Seed promotion activities under PETRRA.

3. Conducted different workshop.
4. Monitoring and evaluation:
 - a) Survey, monitoring and identification of crop cultivation problems including biotic and abiotic stresses.
 - b) Monitoring and evaluation of proposed variety trial.
 - c) Monitoring of upscaling program of DWSR by Drum Seeder, SPDP, LCC .
 - d) Supervision of quality seed production at BRRI farm.
5. Memberships and Affiliations:
 - i) Bangladesh Association for Advancement of Science, ii) Bangladesh Entomological Society, iii) Agriculturist Forum of Bangladesh, iv) Bangladesh Rice Research Institute Scientist's Association, v) Krishibid Institution of Bangladesh vi) Bangladesh Rice Research Institute Officer Club.
6. Reviewer of the national/international scientific journal
7. Prepared annual research plans and programs. Executed those research programs. Analyzed data. Written annual internal review/annual research review report and annual report etc.
8. Action plan preparation: Participated in review planning meeting, interaction meeting, programme area meeting, different workshop planning meeting for action plan preparation.
9. Rice yield maximization.
10. Joined in UAECC, DEPC and ATC meeting of DAE
11. Participated in the National workshop on Rice Research and Extension.
12. Act as a station head in charge of BRRI R/S Khushtia and BRRI R/S Sonagazi.

19. Referees:

i. Dr. Jiban Krishna Biswas

Former Director General
Bangladesh Rice Research Institute
Gazipur-1701, Bangladesh

and
Professor

International University of Business Agriculture and Technology (IUBAT)
Tongi, Dhaka, Bangladesh

Cell phone: +880-1711960349

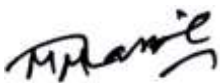
e-mail: biswas.jiban@gmail.com

ii. Dr. Khandakar Shariful Islam

Professor
Department of Entomology
Bangladesh Agricultural
University, Mymensingh,
Bangladesh.

Pmone:01716370731 (Cell)

E-mail: ksharif_bau@yahoo.com



Signature

Dr. Md. Mamunur Rashid

Senior Scientific Officer
Plant Physiology Division
BRRI, Gazipur-1701