

CURRICULUM VITAE of Dr. Md Mamunur Rashid



I PERSONAL DETAILS

- 1 Name : **Dr. MD. MAMUNUR RASHID**
- 2 Father's Name : Md. Rahat Ali
- 3 Mailing Address : Principal Scientific Officer and Head
Bangladesh Rice Research Institute
Reginal Station, Habiganj, Bangladesh
E-mail: mrashidbrri@gmail.com,
mrbrri@yahoo.com, mamunur.phys@brri.gov,
- 4 Permanent Address : Vill.: Jhanpa, P.O.: Jhanpa Bazar
P.S.: Manirampur, Dist.: Jashore, Bangladesh
- 5 Date and Place of Birth : The 2nd February, 1973,
Jashore, Bangladesh
- 6 Nationality : Bangladeshi by birth
- 7 Marital status : Married
- 8 Religion : Islam (Sunni)
- 9 Gender : Male

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. TRAINING COURSE:

II. 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	9-09- 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
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

12. Distinction/Award:

- i. Received **Transforming Rice Breeding (TRB) Annual Award** on 24 October 2019 as a member of irrigated and cold tolerance rice breeding team

- ii. 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
- iii. Received **Annual award for outstanding contribution in APA (2019-20)** of Plant Physiology Division, BRRI on 10 June 2021
- iv. NSICT Fellowship, Bangladesh, 2011
- v. In Country PhD scholarship by Bangladesh Agricultural Research Council, 2008.
- vi. Obtained "**Chairman's 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.
- vii. **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.
- viii. **Distinction (1st position)** in MS in Entomology, BAU, Mymensingh
- ix. **Distinction (5th position)** in BScAg (Hons), BAU, Mymensingh

13. Field of Specialization: Abiotic and biotic stress physiology of rice, growth and physiology of rice, yield potential, pest management and technology dissemination

14. Research Experiences:

Position	Duration	
	From	To
Scientific Officer, Bangladesh Rice Research Institute (BRRI), Sonagazi	28 Feb 1999	09 May 2001
Scientific Officer, Adaptive research Division, BRRI, Gazipur-1701.	10 May 2001	24 Feb 2007
Scientific Officer and Head, BRRI Kushtia	25 Feb 2007	19 Feb 2011
Senior Scientific Officer, Plant Physiology Division, BRRI, Gazipur-1701.	20 Feb 2011	25 Dec 2022
Principal Scientific Officer, Plant Physiology Division, BRRI, Habiganj.	26 Dec 2022	13 July 2023
Principal Scientific Officer (PSO) and Head BRRI, Habiganj.	14 July 2023	Till date

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
- iii. **Head** BRRI Regional Station, Habiganj during 14 July 2023 to till date

16. LIST OF PUBLICATIONS

A. Scientific Journal

(i) Full paper

(a) Paper Published in the Reputed International Journal: Total 5 (Five)

As Principal author: 5 (Five)				
Sl. No.	Author (s), Year of publication, Title, Journal name, Volume &/or Issue no. and Page number of the scientific papers	Publisher	Impact factor	
1	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	Springer Nature	4.99	
2	Rashid M.M. , Jahan M., Islam K.S. and Latif M.A. 2017. Ecological fitness of brown planthopper, <i>Nilaparvata lugens</i> (stål) to rice nutrient management. Ecological Processes 6:15 DOI: 10.1186/s13717-017-0080-x	Springer	4.10	
3	Rashid M.M. , Islam K.S. and Jahan M. 2017. Effects of nitrogen, phosphorous and potassium on host-choice behavior of brown planthopper, <i>Nilaparvata lugens</i> (Stål) on rice cultivar. J Insect Behav 30(5):1-15, DOI 10.1007/s10905-016-9594-9	Springer	1.02	
4	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.	Elsevier	4.07	
5	Rashid, M. M. , K. S. Islam and M. Jahan. 2016. Response of adult brown planthopper <i>Nilaparvata lugens</i> (Stål) to rice nutrient management. Neotrop. Entomol. 45(5):588-596.	Springer	1.60	

(b) Other International & National Journal: Total 14 (Fourteen)

As Principal author: 5 (Five)	
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. , K. S. Islam, M. Jahan, M. N. Bari and S. S. Haque. 2013. Effect of nutrient management on population growth of brown planthopper, <i>Nilaparvata lugens</i> (Stål). Bangladesh Rice J. 17(1&2): 42-52.
3	Rashid, M. M. , M. M. Hossain, M. Z. Alam, M. Ibrahim and M. K. A. Bhuiyan. 2003. Seasonal abundance and control of spiraling whitefly (<i>Aleurodicus dispersus</i>) on Guava. Pakistan J. Biol. Sci. 6(24):2050-2053.
4	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 whitefly (<i>Aleurodicus dispersus</i>). Pakistan J. Biol. Sci. 6(1):57-60.
5	Rashid, M. M. , K. S. Islam and M. Jahan. 2002. Varietal susceptibility of guava to spiraling whitefly, <i>Aleurodicus dispersus</i> based on indirect damage. Bangladesh J. Entomol. 12(1 & 2):107-114.

As Co-author : 9 (Nine)	
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 seedling 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.

	Agri. 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 (<i>Oryza sativa</i> 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. Books / Monographs / Bulletins

(i) Books: Total 3 (Three)

As Principal author: 2 (Two)	
1	Rashid, M. M. 1999. Studies on the extent of damage at different seasons, life cycle and control of spiralling whitefly. M. S. Thesis, Department of Entomology. Bangladesh Agriculture University, Mymensingh. 107p.
2	Rashid, M. M. 2014. Management of brown planthopper, <i>Nilaparvata lugens</i> (Stål) through judicious use of plant nutrients and insecticides. PhD Thesis, Department of Entomology. Bangladesh Agriculture University, Mymensingh. 182p
As Co-author: 1 (one)	
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

(ii) Monographs: Total 4 (Four)

As Co-author: 4 (Four)	
1	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 সাস্রয়ী প্রযুক্তি. Leaflet published by IFAD/IRRI/BIRRI project. Adaptive Research Division. BIRRI, Gazipur, Bangladesh.
2	Husain, M. M., M. F. Islam, M. Z. Abedin and M. M. Rashid 2005. ড্রাম সীডারের সাহায্যে কাদাময় জমিতে সরাসরি বপন পদ্ধতিতে ধান চাষ. Leaflet published by IFAD/IRRI/BIRRI project. Adaptive Research Division. BIRRI, Gazipur, Bangladesh.
3	Alam, M. Z. and M. M. Rashid 2004. ধানের ক্ষতিকারক পাতা খাদক পোকা ও গাছের ভিতরে বসে খায়

	এমন পোকার পরিচিতি ও দমন ব্যবস্থা . Leaflet published by Progati Jubo Sangstha, Dumuria, Khulna, Bangladesh.
4	Husain, M. M., M. M. Rashid and M. A. Haque. 2003. সরাসরি বপন পদ্ধতিতে ধান চাষ প্রযুক্তি. Leaflet published by IFAD/IRRI/BIRRI project. Adaptive Research Division. BIRRI, Gazipur, Bangladesh.

(iii) Bulletins: Total 3 (Three)

As Principal author: 1 (One)	
1	Rashid M. M. and Yasmeen R. 2017. Rice cultivation in <i>haor</i> : Ways to avoid cold injury and flood risk. □□□ □□□□□□ □□□□□□. 28th year. No.2 (July-September 2017) BIRRI Newsletter. Bangladesh Rice Research Institute, Gazipur 1701.
As Co-author : 2 (Two)	
1	Khan, MAI , M.M. Rashid and M. M. Husain. 2003. “Prospect of BR4828-54-4-1-4-9 is remarkable for Boro cultivation” <i>In</i> .Krishikatha page. June 05, 2003. Daily Jugantor, The Daily National News Paper, Dhaka-1000.
2	Khan, MAI , M.M. Rashid and M. M. Husain. 2003. “T. Aus (Mala) – T. Aman (BR22/BR23) Cropping Pattern is a Profitable Technology for the Non-saline Tidal Area of Southern Region.” <i>In</i> .Krishibiplob. 4th year. No. 20 (July 16 – July 30, 2003). A Fortnightly Agricultural National Newspaper, Khan Printing and Packaging, 153/1, Arambag, Dhaka-1000.

C. Seminar/Workshop/Symposium Proceedings/ Abstracts: Total 8 (Eight)

(i) International

As Co-author author: 2 (Two)	
1	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
2	Husain, M. M., M. A. Islam and M. M. Rashid . 2008. Bangladeshi experience with a drum seeder for direct wet-seeding of rice. <i>In</i> : 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.

(ii) National

As Principal author: 1 (One)	
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. <i>In</i> : M A Saleque, M A Kashem, M A Ali and M S Kabir (eds) Bangladesh Rice Research Abstracts, Bangladesh Rice Research Institute, Gazipur 1701.
As Co-author : 5 (Five)	
1	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.
2	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.
3	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.
4	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.
5	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.

D. Reports: Total 9 (Nine)

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 2000-2003	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 Khushtia, BRRI Sonagazi and BRRI Habiganj.

19. Referees:


i. Dr. Jiban Krishna Biswas

Former Director General
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Gazipur-1701, Bangladesh
and
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ii. Dr. Khandakar Shariful Islam

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Signature

Dr. Md. Mamunur Rashid
Senior Scientific Officer
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