

Curriculum vitae

Md. Mamunur Rahman**Personal Details:**

Father's name : Md. Ramiz Uddin
 Mother's name : Nurjahan Begum
 Date of birth : January 1, 1982
 Nationality : Bangladeshi
 Religion : Islam
 Sex : Male
 Marital status : Married
 Permanent address : Village: Narun,
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Educational Qualification

Degree	Class/ Grade/ Division	University/ Board	Passing Year
PhD	OK	Kanazawa University	2013
MS in Genetics and Plant Breeding	CGPA:3.77 Grade: B (Equivalent to First Class)	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	2010
B.Sc.Ag. (Hons.)	CGPA:3.75 Grade: A Assessment: Outstanding	Patuakhali Science and Technology University, Patuakhali	2005
HSC	First	Dhaka	1999
SSC	First	Dhaka	1997

Field of Specialization : Molecular Biology and Environmental Sciences

Training Received:**(a) In Country:**

Organization	Year	Duration		Name of programme
		Mos.	Days	
BRRI, Gazipur	2008	0	05	Hybrid Rice Development and Seed Production
BRRI, Gazipur	2008	0	03	Breeder Seed Production and Preservation of Rice
BRRI, Gazipur	2009	0	02	Participatory Varietal Selection
BRRI, Gazipur	2010	0	03	Breeder Seed Production and Preservation of Rice
BRRI, Gazipur	2013	0	03	Training on Experimental Design, Layout and Statistical Analysis
BARC, Dhaka	2013	0	05	Financial Management and Procurement
BRRI, Gazipur	2014	2	00	Two-month Rice Production Training Course

(b) Abroad: N/A**Publications :**

Book : 1
 Scholarly book chapters : 1
 Papers in referred journals : 29

Book – 1

1. **M. Mamunur Rahman**, M. K. Bashar and M. G. Rasul. 2012. Molecular Characterization and Genetic Variation in Rice. LAP Lambert Academic Publishing GmbH & Co. KG, Saarbrucken, Germany.

Scholarly book chapters – 1

1. M. Azizur Rahman, **M. Mamunur Rahman** and H. Hasegawa. 2012. Arsenic in Rice: A Human Health Emergency in South and South-East Asia. In: Rice: Production, Consumption and Health Benefits. Ed. Yoshihiro Liu and Liliana Froyen. Nova Science Publishers, Inc. New York. Pp: 37-64.

Journal Articles as First Author (International and Impact factor journals)

1. **M. M. Rahman**, M. A. Rahman, T. Maki, T. Nishiuchi, T. Asano and H. Hasegawa. 2015. A marine phytoplankton *Prymnesium parvum* upregulates the component proteins of photosystem II under iron stress. *Photosynthetica* 53(1): 136-143 (Impact Factor: 1.007).
2. **M. Mamunur Rahman**, M. Azizur Rahman, T. Maki, T. Nishiuchi, T. Asano and H. Hasegawa. 2013. A marine phytoplankton (*Prymnesium parvum*) up-regulates ABC transporters and several other proteins to acclimatize with Fe-limitation. *Chemosphere*, 95: 213-219. (Impact Factor: 3.499)
3. **M. Mamunur Rahman**, M. Azizur Rahman, T. Maki and H. Hasegawa. 2012. Phytotoxicity of arsenate and salinity on early seedling growth of rice (*Oryza sativa* L.): A threat to sustainable rice cultivation in South and South-East Asia. *Bulletin of Environmental Contamination and Toxicology*, 88(5): 695-702. (Impact Factor: 1.216)
4. **M. Mamunur Rahman**, M. G. Rasul, M. A. Hossain, K. M. Iftekharuddaula and H. Hasegawa. 2012. Molecular characterization and genetic diversity analysis of rice (*Oryza sativa* L.) using SSR markers. *Journal of Crop Improvement*, 26(2): 244-257. (Impact Factor: 0.649)

Journal Articles as Co-author (International and Impact factor journals)

1. H. Hasegawa, K. Nakagawa, M. Azizur Rahman, M. Takemura, T. Maki, K. Naito and **M. Mamunur Rahman**. 2015. A fluorescent-based HPLC assay using 4-chloro-7-nitrobenzo-2-oxa-1, 3-diazole as derivatization agent for the determination of iron bioavailability to red tide phytoplankton. *Chromatographia*. 78: 65-72. (Impact Factor: 1.37)
2. M. Azizur Rahman, **M. Mamunur Rahman** and H. Hasegawa. 2014. A new citrate-bicarbonate-ethylenediaminetetraacetate (CBE) method for chemical extraction of hydrous iron oxides from plant root surfaces. *Communications in Soil Science and Plant Analysis*, 45(13): 1760-1771. (Impact Factor: 0.496)
3. M. Azizur Rahman, H. Hasegawa, **M. Mamunur Rahman**, T. Maki and Richard P. Lim. 2013. Effect of iron (Fe^{2+}) concentration in soil on arsenic uptake in rice plant (*Oryza sativa* L.) when grown with arsenate [As(V)] and dimethylarsinate (DMA). *Water, Air, & Soil Pollution*, 224(7): 1-11. (Impact Factor: 1.748)
4. Hiroshi Hasegawa, **M. Mamunur Rahman**, Sayaka Kato, Teruya Maki, M. Azizur Rahman. 2013. Potential of proteins and their expression level in marine phytoplankton (*Prymnesium parvum*) as biomarker of N, P and Fe conditions in aquatic systems. *Advances in Biological Chemistry*, 3(3): 338-346. (Impact Factor: 0.21)
5. M. Azizur Rahman, **M. Mamunur Rahman**, T. Maki and H. Hasegawa. 2012. The significance of biodegradable methylglycinediacetic acid (MGDA) for iron and arsenic bioavailability and uptake in rice plant. *Soil Science and Plant Nutrition*, 58(5): 627-636. (Impact Factor: 1.38)
6. Hiroshi Hasegawa, **M. Mamunur Rahman**, Kouta Kadohashi, Yui Takasugi, Yousuke Tate, Teruya Maki and M. Azizur Rahman. 2012. Significance of the concentration of chelating ligands on Fe^{3+} -solubility, bioavailability, and uptake in rice plant. *Plant Physiology and Biochemistry*, 58: 205-211. (Impact Factor: 2.98)
7. M. Azizur Rahman, **M. Mamunur Rahman** and Hiroshi Hasegawa. 2012. Arsenic-induced straighthead: An impending threat to sustainable rice production in South and South-East Asia!. *Bulletin of Environmental Contamination and Toxicology*, 88(3): 311-315. (Impact Factor: 1.216)

8. M. Azizur Rahman, **M. Mamunur Rahman**, K. Kadahashi, T. Maki and H. Hasegawa. 2011. Effect of external iron and arsenic species on chelant-enhanced iron bioavailability and arsenic uptake in rice (*Oryza sativa* L.). *Chemosphere*, 84(4): 439-445. (Impact Factor: 3.21)

Journal Articles as First Author (Local and other journals)

1. **M. Mamunur Rahman**, M. A. Syed, A. Akter, Md. Meskatul Alam and Md. Monjurul Ahsan. 2014. Genetic variability, correlation and path coefficient analysis of morphological traits in transplanted Aman rice (*Oryza sativa* L.). *American-Eurasian Journal of Agricultural & Environmental Sciences*. 14(5): 387-391.
2. **M. Mamunur Rahman**, M. M. Rashid and M. A. Islam. 2013. Transplanting by uprooting tillers from dibbled field: An idea for crop intensification and sustainable rice cultivation. *Journal of Rice Research*, 1(2): 109.
3. **M. Mamunur Rahman**, M. A. Syed, M. Adil, H. Ahmad and M. M. Rashid. 2012. Genetic variability, correlation and path coefficient analysis of some physiological traits of transplanted Aman rice (*Oryza sativa* L.). *Middle-East Journal of Scientific Research*. 11(5): 563-566.
4. **M. Mamunur Rahman**, A. Hussain, M. A. Syed, A. Ansari and M. A. A. Mahmud. 2011. Comparison among clustering in Multivariate analysis of rice using morphological traits, physiological traits and simple sequence repeat markers. *American Eurasian Journal of Agriculture and Environmental Science*, 11(6): 876-882.
5. **M. Mamunur Rahman**, M. Azizur Rahman, A. Hossain and G. Rasul. 2011. Comparative Study on Morphological, Physiological and Molecular Genetic Diversity Analysis in Rice (*Oryza sativa* L.). *Libyan Agriculture Research Center Journal International*, 2(2): 85-93.
6. **M. Mamunur Rahman**, M. G. Rasul, M. K. Bashar, M. A. Syed and M. R. Islam. 2011. Parent selection for transplanted Aman rice breeding by morphological, physiological and molecular diversity analysis. *Libyan Agriculture Research Center Journal International*, 2(1): 29-35.
7. **M. M. Rahman**, A. Ansari and M. M. Rashid. 2010. Diversity analysis in rice using GENSTAT and SPSS programs. *The Agriculturists*, 8(2): 14-21.
8. **M. M. Rahman**, M. A. Islam, S. M. Shahidullah, S. M. M. Islam and H. Begum. 2010. Physiogenetic variation in BIRRI developed T. Aman rice (*Oryza sativa* L.) varieties. *The Agriculturist*, 8(1): 32-37.
9. **M. M. Rahman**, M. G. Rasul, M. K. Bashar, M. A. K. Mian and M. M. Haque. 2009. Morphogenetic divergence in T. Aman rice (*Oryza sativa* L.). *Bangladesh Journal of Plant Breeding and Genetics*, 22(2): 67-71.

Journal Articles as Co-author (Local and other journals)

1. Anowara Akter, M. Jamil Hassan, M. Umma Kulsum, M. R. Islam, Kamal Hossain, **M. Mamunur Rahman**. 2014. AMMI Biplot Analysis for Stability of Grain Yield in Hybrid Rice (*Oryza sativa* L.). *Journal of Rice Research*, 2(2): 126.
2. M.A.A. Mahmud, M.A. Syed, **M. Mamunur Rahman**, M.R. Islam and A. Husna. 2011. Genetic Divergence in 58 Advanced Lines of *Brassica rapa*. *Libyan Agriculture Research Center Journal International*, 2(5): 209-214.

3. A. Ansari, A. W. Julfiquar, M. G. Rasul, M. J. Hasan and **M. M. Rahman**. 2010. Genetic parameter, correlation and path analysis for yield and yield related traits in some maintainer lines of hybrid rice (*Oryza sativa* L.). *Eco-friendly Agriculture Journal*, 23(2):89-95.
4. M. M. Rahman, **M. M. Rahman**, L. Rahman, H. Begum and S. M. M. Islam. 2009. Molecular characterization and diversity analysis of Brassica genotypes. *Bangladesh Journal of Plant Breeding and Genetics*, 22(1): 01-08.
5. A. Ansari, M. G. Rasul, A. W. Julfiquar, **M. M. Rahman** and Shamsunnaher. 2009. Multivariate analysis in cytoplasmic male sterile lines of rice (*Oryza sativa* L.). *Bangladesh Journal of Plant Breeding and Genetics*, 22(2): 25-28.
6. Kamal Hossain, A. Akter, H. Begum, A. Ansari and **M. M. Rahman**. 2009. Line x Tester analysis for yield and its related traits in rice (*Oryza sativa* L.) *Bangladesh Journal of Plant Breeding and Genetics*, 22(2): 01-06.
7. A. Akter, M. K. Hossain, M. J. Hasan, P. L. Biswas and **M. M. Rahman**. 2009. Genetic diversity in maintainer lines of hybrid rice (*Oryza sativa* L.). *Bangladesh Journal of Plant Breeding and Genetics*, 22(2): 13-18.
8. M. A. Islam, M. R. Islam, A. B. S. Sarker, **M. M. Rahman** and M. M. Rashid. 2008. Effect of phosphorus on growth and yield of a japonica and indica rice varieties. *Journal of Agricultural Education and Technology*, 11(1&2): 79-86.