

CV of DR MOHAMMAD ABUL MONSUR



Section I: Background information

1. **Applicant's Name:** Dr. MOHAMMAD ABUL MONSUR
2. **Contact Information:** Plant Pathology Division, Bangladesh Rice Research Institute (BRRI), Gazipur-1701, Bangladesh. Contact: 8801324632811
Email: monsurpath@gmail.com
3. **Date of:** March 1, 1981
4. **Current Professional or Academic Title:** Principle Scientific Officer

5. Educational Background:

Degree/Diploma/certificate	Class/Grade/Division	University/Institute/Board	Year
S.S.C	1 st division	Dhaka	1995
H.S.C	1 st division	Dhaka	1997
B.Sc.Ag(Hons)	1 st class	Bangladesh Agricultural University	2004
M.S in Plant Pathology	1 st class (A grade)	Bangladesh Agricultural University	2006
MS (Bioresource sciences)	A grade	Saga University, Japan	2015
Ph.D	Satisfactory	University of the Philippines Los Banos (UPLB)	2022

6. Service experience

Position	Period		
	From	To	Total Year/Month
SO	12/11/2007	22/12/2012	5 years
SSO	22/12/2012	Till (May, 2025)	14 years

7. Teaching activities

Since 01 October 2015 – giving lecture for field extension people, and scientist on “Impact of climate change on different Rice disease severity”, “Diagnosis of different rice disease and their damaged symptoms in field”.

8. Memberships

- i) Bangladesh phytopathology society,
- ii) Bangladesh Entomological Society,
- iii) Bangladesh breeding Society,
- iv) Bangladesh Rice Research Institute Scientist's Association.

9. Awards and Honors:

- i) NATP phase (II) scholarship for doing PhD in University of the Philippines Los Banos, Philippines.
- ii) Monbu-Kaga-kusho scholarship by Japanese Government, 2012 for doing Masters.
- iii) 3 Months fellowship program in JIACAS, Tsukuba, Japan

Section II: Scientific publication

My PhD. Thesis Title

Genome-Wide Association (**GWAS**) Mapping and Characterization of Candidate Genes for Neck Blast Resistance in Rice (*Oryza sativa* L). From My PhD manuscript two paper under processing for submission.

- i) Genome wide association mapping for neck blast resistance of rice
- ii) Dissection of rice neck blast resistant QTLs through linkage and association mapping in BILs (BC2F2) and RILs (F2) population based on Genotyping by sequencing Approach
- iii) Determination of host specific pathogenecity of *Pyricularia Spp* (from my Masters study, saga University, Japan, 2015)

(I) Full paper

International Publications

Principle author

1.*Navea I P , ***M A Monsur**, M J T Yanoria, D G D Rosa, S L Hechanova, A P Tũaño, CJR Cumagun, R Choi, S Kadaru, S Kim, B Zhou, V SLuu. 2026. Natural variation in the atypical resistance gene *Pita2* confers broad-spectrum neck blast resistance in rice. The Plant Genome. doi: <https://doi.org/10.64898/2026.01.31.702980>
(*) Equal authorship.

2.**Monsur, M. A.**, S. C. Biñas, S. N. Herath, I. D. V. Ambita, Z. Tasnim, I. B. Pangga, and C. J. R. Cumagun. 2023. “Comparative Study Between Biological and Chemical Agents for Control Sheath Blight Disease of Rice”. *Journal of Plant Stress Physiology*, vol. 9, Sept. 2023, pp. 10-17, doi:10.25081/jpsp. 2023. v9.8459.

3.**Monsur, MA** and Kusaba, M. 2018. Study on Parasexual Recombination between *Pyricularia oryzae* and *Pyricularia grisea*. *Agricultural Sciences*, **9**, 317-339. doi: [10.4236/as.2018.93023](https://doi.org/10.4236/as.2018.93023).

Co-Author

4. Latif MA, R Hasan, O Kayess, L Rahman, **MA Monsur**. 2026. Stacking Multiple Genes for Bacterial Blight-Resistance in the Genetic Background of a High-Yielding Adaptive Rice Variety. *Plant Molecular Biology Reporter*. 44:107. <https://doi.org/10.1007/s11105-026-01734-2>
5. Mukul MHR, Shamsunnaher, M Moniruzzaman, A Zahan, M N Morshed, K K Ahmed, M R Biswash, **M Monsur**, M S Hossain, M N Yeasmin¹, B Karmakar, M H Kabir, M M Hasan. 2025. AMMI and WAASB-Based Stability Model Analysis for Identifying High Yielding Stable Blast Resistant Rice (*Oryza sativa* L.) Genotype. *Turkish Journal of Agriculture - Food Science and Technology*. 13: 3839-3848
6. Tasnim Z, Chowdhury M, Rahman, M. and **Monsur, MA**. 2022. Social Business in Bangladesh: A Study on Grameen Danone Shokti+ Yogurt. *Agricultural Sciences*, 13, 841-854. doi: [10.4236/as.2022.137053](https://doi.org/10.4236/as.2022.137053)
7. Biswas CS, Hannan A, **MA Monsur**, Sagor, GHM. 2020. Screening and biochemical characterization of wheat cultivars resistance to *Magnaporthe oryzae* pv *Triticum* (MoT). *Journal of Plant Stress Physiology* 6:1-6
8. MAI khan, MA Ali, **MA Monsur**, Ak Tanaka, N Hayashi, S Yanagihara, M Obara, MAT Mia, MA Latif and Y Fukuta, 2016. Diversity and distribution of rice blast (*Pyricularia Oryzae* Cavara) races in Bangladesh. *Plant dis.* 100: 2025-2033.
9. MA Latfi, A Haque, MI Tajul, **MA Monsur** and MY Rafii. 2013. Interactions between the nematodes *Ditylenchus angustus* and *Aphelenchoides besseyi* on rice: population dynamics and grain yield reductions. *Phytopathologia Mediterranea* 52(3):490-500.

National Publications

Principle author

1. **MA Monsur**, M Ahmed A Haque, QSA Jahan, TH Ansari, MA Latif, NCD Borma, MA Ali, MS Kabir and BR Banik. 2017. Cross infection between rice and wheat blast pathogen *Pyricularia oryzae*. *Bangladesh Rice Journal* 20(2): 6-9.
2. **MA Monsur**, MS Hossain, JA Mahmud, K Quais, A Haque, K Nahar. 2009. Effect of spacing, Diathane M-45 and BAU-Biofungicide (*Trichoderma harzianum*) on anthracnose of soybean. *Ecofriendly Agril. J.* 2(1): 214-217.

Co-Author

3. Rahman MT, Rahman MA, Nahar K, Naim J, **Monsur MA**, Mohiuddin KM. 2020. Mineral nutritional status of blast infected rice plant and allied soil. *Journal of Bangladesh Agricultural University*, 18(2): 395–404. <https://doi.org/10.5455/JBAU.81279>
4. Ansari T, Khatun M, Ahmed M, Nessa B, Khan M, **Monsur M**, Akhter S, Ali M, & Salam M. 2017. Evaluation of Fungicides for the Control of Rice False Smut (*Ustilaginoidea virens*). *Bangladesh Rice Journal*, 20(2), 61–66.
5. SAJ Quazi, MAT Mia, **MA Monsur** and MT Khatun. 2010. Evaluation of Methods for sheath rot disease development in screening purpose. *Int. J. Biores.* 8 (4):51-54
6. SAJ Quazi, MA Ali, TH Ansari, **MA Monsur** and MT Khatun. 2010. Screening of suitable fungicides in controlling rice blast disease. *Eco-friendly Agril. J.* 3(5):261-265
7. SAJ Quazi, TH Ansari, S Akter, **MA Monsur** and MT Khatun. 2010. Influence of soil amendment with organic silicon source on blast disease development. *Eco-friendly Agril. J.* 3(5):266-270.
8. MH Rahman, MH Ali, MM Khatun, MJ Hasan and **MA Monsur**. 2010. Evaluation of some exotic advance hybrid rice lines with check varieties in Bangladesh condition. *Eco-friendly Agril. J.* 3(5):214-217.

9. MAI Khan, MS Kabir, **MA Monsur**, MA Ali, and MAT Mia. 2009. Pathogenic diversity of *Xanthomonas oryzae*pv. *Oryzae* in Bangladesh. *Bangladesj J. of Plant Pathology*. 25 (1&2): 1-6.
10. Ak Saha, I Hossain, **MA Monsur**, MK Quais and M Akter. 2009. Effect of amister and garlic extract in controlling purple blotch and storage disease of onion. *Bangladesj J. of Plant Pathology*. 25 (1&2): 67-70.
11. SAJ Quazi, MM Rahman, S Akter, MT Khatun and **MA Monsur**. 2009. Assessment of yield loss due to tungro in Bangladesh. *Bangladesj J. of Plant Pathology*. 25 (1&2): 37-40.
12. Mk Quais, A Haque, **MA Monsur**, MMR Dewan and S Pramanik. 2009. Effect of neem, Mahogoni and karanja oils for an oviposition, adult emergence and mortality of pulse beetle (*Callosobruchus chinensis* lin). *Intl. J. Bio Res.* 6(2):7-12.
13. MN Uddin, **MA Monsur**, MK Quais, A Haque, SMHA Rabbi and MR Hasan. 2009. Effect of organic and inorganic fertilizers on the yield and yield contributing characters of two lemon varieties. *Eco-friendly Agril. J.* 2(2):414-419.
14. S Pramanik, MH Akand, AKMM Uddin, MSA Talukder, MK Quais and **MA Monsur**. 2009. Effect of nitrogen and phosphorus on the yield of cabbage (*Brassica oleraceae* var. *Capitata* L.). *Intl. J. Bio Res.* 6(2):46-50.
15. MN Uddin, SMHA Rabbi, **MA Monsur**, MR Hasan and MK Quais. 2009. Effect of organic and inorganic fertilizers on the vegetative growth of Lemon. *Intl. J. Bio Res.* 6(2):60-65.
16. JA Mahmud, G Azam, MQI Matin, **MA Monsur** and MAA Khan. 2009. Fungi associated with farmers saved wheat seed from Rangpur district. *Eco-friendly-Agril.J.* 2(9):768-773
17. M Akter, A Haque, **MA Monsur**, Mk Quais and H Begum. 2009. Biological activity of celaflo against pulse beetle, *Callosobruchus maculatus* (FAB). *Bangladesh J. Entom.* 19(1):79-89.

Short Communication

1. MZ Rahman, M. Ayub Ali, MS. Hossain, **MA Monsur** and MZ Zaman. 2013. Effect of lemon grass (*Cymbopogon citratus*) extract on seed health of rice. *Bangladesh Rice Journal* 17(1 &2): 33-36

BOOK chapter

- i) **M. A. Monsur** and M. Kusaba. 2023. Parasexual Recombination between *Two Fungal Isolates* in Rice Cultivation. eBook ISBN: 978-81-19761-71-5. Chapter:9. DOI: 10.9734/bpi/eias/v8/10955F

List of Monographs

Principle Author

1. **Monsur** et al. Wheat blast pathogen do not Attack on rice plant. *The Daily Ittefaq*, page 20, October 5, 2016.
2. **Monsur** et al. Rice and wheat blast pathogen do not cause cross infection. *The Daily Jai Jai Din*, Page 13, September 9, 2016

List of Bulletins

1. QSA Jahan, MA Latif, M Haque, MA Ali, **MA Monsur** and KA Bhuiyan. 2017. Application of Trico-compost for controlling sheath blight disease. BRRI, Publication no 234.
2. B. Nessa, SAI Nihad, R Akter, HA Diljahan, M Rashid, R Bhuiyan, **MA Monsur** et al. 2022.

Management of rice false smut disease. BRRI, Publication no. 344

- Latif et al. 2018. Rice blast disease and integrated control measures. Plant Pathology Division, BRRI, Publication no 234.

List of Conference

International

- MJT Yanoria, **M A Monsur**, I Pangga, CJ Cumagun, VS Luu . 2023. Identification of Neck Blast Resistance Gene Loci in Rice, *Oryza sativa* L. through Genome-Wide Association Studies (GWAS) and Genotyping-by-Sequencing (GBS). 6th International Rice Congress, held in Philippine International Convention Center, Manila, Philippines, October 16-19, 2023.
- Quazi S and **M Monsur**. 2008. Assessing the effectiveness of silicon content materials against blast disease of rice. 4th international conference (silicon in Agriculture), October 26-31, Wild coast sun, South Africa.

National

- S Akter, MT Khatun, **MA Monsur**, MA Latif, MA Ali and MAT Mia. 2009. Evaluation of fungicides against Bakanae disease of rice through seed treatment. 21th Bangladesh Science Conference, February 18-20, BARI, Gazipur

List of seminar

- MA Monsur**, M Ahmed A Haque, QSA Jahan, TH Ansari, MA Latif, NCD Borma, MA Ali, MS Kabir and BR Banik. Research Update of Cross infection between rice and wheat blast at BRRI. Presented on October 27, 2016. Bangladesh Agricultural Research Council (BARC), Dhaka.
- MAI Khan, **MA Monsur**, S Mian, MA Ali, ZR Moni and MAT Mia. 2010. Development of Differential system for blast disease in Bangladesh. Thursday seminar at Bangladesh Rice Research Institute (BRRI). November 4, 2010

Research achievements

- Worked as Reviewer in the Journal of **Plant Pathology**. 2024. © British Society for Plant Pathology.

In 2016, wheat blast disease 1st time appeared in Bangladesh in epidemic form. My research on wheat blast was published in scientific Journal, 2 Daily newspaper in Bangladesh, The **Ittefaq** and **Jai Jai din** and broadcast in Television channel

i) **nTV** (<https://www.youtube.com/watch?v=zS9gGR84V7I&t=85s>) and

ii) **Channel 24** (<https://www.youtube.com/watch?v=5E0p2VNZiNA&t=54s>)

Section-III

List of Training

(a) In country

Organization	Year	Duration		Name of the Programme
		Months	Days	
Bangladesh Rice Research Institute (BRRI)	2024		15	Bioinformatics for future rice

Bangladesh Agricultural Research Council (BARC)	2024		5	Project Development and Management
Bangladesh Rice Research Institute (BRRI)	2017		3	Experimental Design and data analysis
National Agricultural Training Academy(NATA)	2016		3	Disaster management
Bangladesh Agricultural Research Council (BARC)	2015		2	Phytosanitary measures and food safety issues in Bangladesh
Bangladesh Rice Research Institute (BRRI)	2011		3	Breeder seed production and preservation of rice
Bangladesh Academy for rural development (BARD)	2009	4		Foundation training course for NARS scientists
Bangladesh Agricultural Research Council (BARC)	2008		12	Research Methodology
Bangladesh Rice Research Institute (BRRI)	2008	1		1-month rice production training course
Bangladesh Rice Research Institute (BRRI)	2008		5	Hybrid rice development and seed production

International training

Organization	Year	Duration		Name of the Programme
		Months	Days	
United Nations Educational and social communication for asia and pacific (UNESCO)	2011		14	Genetic theory of hybrid rice breeding

Names and contact information of referees

1. Dr. Christian J. Cumagun

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