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PROFESSIONAL EXPERIENCE

May/2018- – Present: Senior Scientific Officer (SSO), Adaptive Research Division,
Bangladesh Rice Research Institute (BRRI)

November/2007 - May/2018: Scientific Officer, Adaptive Research Division,
Bangladesh Rice Research Institute (BRRI)

EDUCATION

PhD in Plant Pathology: December, 2018 – University of Florida, Gainesville, Florida, USA

MS in Genetics and Plant Breeding: 2008 – Sher-e-Bangla Agricultural University, Dhaka,
Bangladesh

BSc in Agriculture: 2006 - Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

Phd Dissertation: XA21-Mediated Resistance to Abiotic Stresses in Rice.

Fellowship/Scholarship:

2014-2018: PhD scholarship, Borlaug Higher Education for Agricultural Research and
Development (BHEARD, USAID)

PUBLICATIONS :13

1. **Shamsunaher**, X Chen, X Zhang et al. 2020. Rice immune sensor XA21 differentially enhances plant growth and survival under distinct levels of drought. *Sci Rep* 10, 16938 (2020). <https://doi.org/10.1038/s41598-020-73128-7>
2. Q Chen, X Huang, X Chen, **Shamsunaher** and WY Song. 2019. Reversible activation of XA21-mediated resistance by temperature. *European Journal of Plant Pathology*, 153(4), pp.1177-1184.
3. B Karmakar, M A A Mamun, M S Rahman, M A Islam, M R Islam, M H R Mukul, **Shamsunaher**, A Zahan, R Barua, M R Biswash, S Parveen and S Akter, 2019.

Adaptation of Promising Rice Genotypes for Broadcast Aus Season. Bangladesh Rice Journal, 23(2), pp.35-48.

4. M S I Mamin, M R Biswash, R Barua, A Zahan, S Naher, M H R Mukul , B Karmakar, M R Islam , M A Islam . 2015. Performance of Some Zinc Enriched Rice Genotypes in Different Agro-Ecological Conditions of Bangladesh. Scientia Agriculturae, 11 (1), 15-19.
5. **Shamsunnaher**, M A Gaffar, A Ansari, M H R Mukul, H Begum. 2009. Effect of explants' age on regeneration capacity in kenaf (*Hibiscus cannabinus L.*). Intl. J. BioRes 7(3):7-13.
6. **Shamsunnaher**, A Khatun, S R Bhuiyan, M A Gaffar and S. Nasrin. 2009. Establishment of *Agrobacterium* Mediated Transformation Protocol In Kenaf. Eco-friendly Agril. J. 2(09):790-794
7. **Shamsunnaher**, M A Gaffar , M H R Mukul, M R Biswas and A Zahan . 2013. Study on the appropriate dose of bap for regeneration of kenaf (*Hibiscus cannabinus L.*). Eco-friendly agril. J. 06(01):06-09
8. **Shamsunnaher**, M A Gaffar , A Parvin, M H R Mukul and A Zahan . 2013. Causes of rice yield gap in different areas of Comilla District: A Case Study. Intl. J. BioRes 12(4):13-17
9. M H R Mukul, M A B Siddique , R Barua, **Shamsunnahar** and A Khatun. 2011. A Study on the Jhum And Jhumia Farmers in Chittagong Hill Tract Region Of Bangladesh. Eco-friendly Agril. J. 4(02):550-555.
10. A Ansari, M G Rasul¹, A W Julfiqar, M M Rahman and **Shamsunnaher**. 2009. Multivariate Analysis in cytoplasmic male sterile lines of rice(*Oryza Sativa*).Bangladesh J.Pl. Breed. Genet. 22(02):25-28
11. M H R Mukul, M H Kabir, M A Aziz, **Shamsunnaher** and A Hoque. 2009. Study on the Distribution Pattern of Phosphorus and Potassium In Soil. Int. J. Sustain. Agril. Tech, 5(9):06-11
12. H Begum, S M M Islam , **Shamsunnahar** , P L Biswas and A Ansari. 2010. Effect of different concentration of sucrose on plant regeneration of jute. Intl. J. BioRes 8(2): 20-28.
13. M. A. Gaffar, M. S. Hossain, **Shamsunnaher**, 2015. Genetic Divergence of A Collection of Sponge Gourd (*Luffa cylindrica L.*) European International Journal of Science and Technology, 4(5): 32-38