

## BIO-DATA OF DR. MD. SHAHADAT HOSSAIN

1	Name	<b>DR. MD. SHAHADAT HOSSAIN</b>
2	Fathers name	Late Abdul Malek
3	Mothers name	Shahera Khatun
4	Gender	Male
5	Designation	Chief Scientific Officer, Training Division
6	Institute	Bangladesh Rice Research Institute
7	Date of birth and age	01-01-1970

### 8. Educational Qualification:

Degree	Division/Grade/Class	Year
S S C	First	1985
H S C	First	1987
B. Sc. Ag	First	1992 (Hold in 2006)
MS in Plant pathology	Upper Second class	1998
PhD	Satisfactory	2015

### 9. Field of specialization: Training and Communication and Rice Pathology

#### 10. Training

##### (a) In country:

Organization	Year	Duration		Name of program
		Months	Days	
BIRRI	1999	2	-	Rice production, communication and office management
BARD	2000	3	-	Foundation training course for NARS scientist
BIRRI	2002	-	3	Breeder seed production and preservation techniques of rice
Seed Certification Agency, DAE	2004	-	5	Testing of Seed Quality
BIRRI	2005	-	3	Breeder seed production and preservation techniques of rice
Agriculture Information Service, DAE	2007	-	3	Development communication in Agricultural
IRRI-BIRRI	2007	-	3	Integrated field water managements
Bangladesh Society for Training and Development, Dhaka	2010	-	4	Advanced Training for Trainer
BIRRI	2012	-	7	Theory and Practice of Molecular Breeding in Rice
BIRRI	2012	-	5	Capacity Development for Farm Management Strategies to Improve Crop-Water Productivity using Aqua crop modeling

(b) Abroad:

Organization	Year	Duration		Name of program
		Months	Days	
Rural Development Administration, South Korea	2008	-	17	Rice Production Technology

11. Experience:

Position	Period		Total year/ Months
	From	To	
SO	28 February 1999	13 July 2006	7 Years 4 Months
SSO	13 July 2006 (Afternoon)	16 April 2014	7 Years 9 Months
PSO	16 April 2014 (Afternoon)	09 July 2020	6 Years 2 Months
CSO (Current Charge)	9 July (Afternoon) 2020	5 December 2022	
CSO	6 December 2022	Till to date	

12. (List of all publications)

(a) Scientific Journal

(i) Full paper

(a) Paper published in the reputed international journal

As co-author

1. M A I Khan, M R Bhuiyan, **M S Hossain**, P P Sen, A Ara, M A Siddique and M A Ali. 2014: Neck blast disease influence grain yield and quality traits of aromatic rice. *C. R. Biologies*. 337: 635-641.

(b) Other international journal and national journal

Principal Author

1. **M S Hossain**, A K M S Islam, M J Kabir, M A R Sarkar, M A A Mamun, M C Rahman, M U Salam and M S Kabir. 2020. Role of training in transferring rice production technologies to farm level. *Bangladesh Rice Journal*, 25(1): 111-120.
2. **M S Hossain**, M Ayub Ali, and S Maniruzzaman. 2021. Prevalence and transmission of *Fusarium moniliforme*: A seed-borne pathogen of rice, *Bangladesh Rice J.* 24(1):11-19
3. **M S Hossain**, M Ayub Ali, Z R Moni, S Parveen and M A M Hussen. 2018. Use of non chemicals to manage seed borne *Fusarium moniliforme*: Causing bakanae disease of rice. *Bangladesh J. Agril.* 41-43:31-40
4. **M S Hossain**, A A Ali, M A I Khan and A K M Islam. 2015. Evaluation of fungicides for the control of bakanae disease of rice. *Bangladesh Rice J.* 19(1): 49-55
5. **M S Hossain**, M A Ali, Z R Moni, M S Islam and MR Islam. 2015: Effect of temperature and pH on the growth and sporulation of *Fusarium moniliforme*: Causing bakanae disease of rice. *Scientia Agriculturae*, 11(3): 151-154
6. **M S Hossain**, A Ayub Ali, M A Taher Mia, MS Islam and ZR Moni. 2013. Estimation of yield loss by *Fusarium moniliforme* caused bakanae disease of rice. *Bangladesh Rice J.* 6(03): 40-43

7. **M S Hossain**, S H Bulbul, A Haque, M A Karim and M A A Mamun. 2010: Impact of rice production training on knowledge and capacity building of SAAOs. *Int. j. Soc. Dev. Inf. Syst.* 1(3): 8-10
8. **M S Hossain**, A A Ali, M A I Khan, M A Mansur, M R Rahman, M S Islam and M A Taher Mia. 2010. Effect of hot water treatments in controlling seed-borne *Fusarium moniliforme* in rice seeds. *Eco friendly Agril.J.* 3(9): 437-440.
9. **M S Hossain**, M J Islam, S S Parul and M S Islam. 2009: Evaluation of BRRIs rice production training and its effectiveness. *Intl. J. Bio. Res.* 8(2):55-59
10. **M S Hossain**, M A Rahman, M A I Khan, A Mahbub and G M Mujibar Rahman. 2000: Use of solar energy as seed treating agent to control the seed borne fungi of rice. *Bangladesh J. Environ. Sci.* 6: 351-354.
11. **M S Hossain**, GM Mujibar Rahman and I Hossain. 1998: Control of seed borne fungal infections of jute by solar heat treatment. *Bangladesh J. Seed. Sci. & tech.* 2(1): 117-123.

### Co- Author

1. Latif MA, Uddin MB, Rashid MM, Hossain M, Akter S, Jahan QSA, Hossain MS, Ali MA, Hossain MA 2021: Rice Bakanae disease: Yield loss and management issues in Bangladesh. *Food Science and Technology* 9(1): 7-16.
2. Kabir M S, M U Salam, A K M S Islam, M A R Sarkar, M A A Mamun, M C Rahman, B Nessa, M J Kabir, H B Shozib, M B Hossain, A Chowdhury, M Nasim, K M Iftekharuddaula, **M S Hossain**, M K A Bhuiyan, B Karmakar, M S Rahman, M M Haque, M T Khatun, M P Ali, S M H A Rabbi, P L Biswas, E S M H Rashid and N M F Rahman. 2020. Doubling rice productivity in Bangladesh: A way to achieving SDG-2 and moving forward. *Bangladesh Rice Journal*, 24(2): 7-16.
3. S Parveen, **MS Hossain**, MA Ali and MA Ali. 2018: Effect of plant debris removal on the incidence of rice sheath blight disease in Bangladesh. *Bangladesh Rice J.* 22 (1): 83-90
4. T H Ansari, **MS Hossain**, MA Ali, S Banik, MA Siddique, S Hossen and M Ahmed. 2016. Fungi association and toxin production in stored milled rice. *Bangladesh J. Plant Pathol.* 32 (1 & 2):67-74.
5. D R Das, MR Islam and **MS Hossain**. 2009. Productivity evaluation of transplanted boro rice-fish culture system in farmers field. *Intl. J. Bio Res* 7(4):66-72.
6. M M Rahman, MAA Khan, MAI Khan, **MS Hossain** and MS Rahman. 2010. Post harvest loss assessment of onion due to bacterial soft rot disease in Bangladesh. *Intl. J. Bio Res* 9(2):19-25.
7. M M Rahman, MAA Khan, MAI Khan, **MS Hossain** and MS Rahman. 2010. Pathogenic differentiation of onion soft rot bacteria in Bangladesh. *Eco-friendly Agril. J.* 3(10):456-463.
8. M J Islam, MIU Mollah, **MS Hossain** and H begum. 2009. Cracking puddled soils and its management for increasing water retention capacity. *Eco-friendly Agril. J.* 2(10): 875-880.
9. M J Islam, MIU Mollah, SS Parul and **MS Hossain**. 2009. The cracking behavior of puddled soils. *Eco-friendly Agril. J.* 2(7):677-681.

10. J K Biswas, **MS Hossain**, MSI Mamin and MA Muttalib. 2008. Manipulation of seeding date and seedling age to avoid flash flood damage of boro rice at the Northeastern *Haor* areas in Bangladesh. *Bangladesh Rice J.* 13(1): 57-61.
11. M R Islam, **MS Hossain**, MAI Khan and MHR Kukul. 2008. Study on the growth pattern of the causal organism of two rice Sclerotial disease in Bangladesh. *Eco-friendly Agril. J.* 1(2):122-125.
12. M S Islam, M Ibrahim, **HS Hossain** and MR Islam. 2008: A comparative economic study of hybrid and inbreed rice production: A case study. *Intl. J. Bio Res* 5(6):1-6.
13. M S Islam, MAA Mustafi, MAB Siddique and **MS Hossain**. 2006: Economics of puffed rice production and marketing in some selected areas of Bangladesh. *Intl. J. Bio Res.* 1(4): 10-15.
14. M A Muttaleb, **MS Hossain**, MA Siddiquee and MSI Afrad. 2005: Problems and gender involvements in rice production in selected flood prone lowland areas of northeast Bangladesh. *J. Socio. res. Dev.* 2(1):75-80
15. M A muttaleb, **MS Hossain** and MM Kamal. 2003: Farmers perception and adoption of balanced fertilizer in two selected rice ecosystems. *Progress. Agric.* 14(1&2): 143-149.
16. U K S Rahman, M Hosain, N Ahmed, MM Uddin and **MS Hossain**. 2003. Varietal screening of tomato to tomato fruit borer (*Helicoverpa armigera* Hub) and associated tomato plant characters. *Pakistan Journal of Biological Science.* 6(3): 255-263.
17. M A I Khan, **MS Hossain**, MA Rahman, SM Jobair Hossain and GM Mujibur Rahman. 2002. Solar heat: Its use for controlling seed borne fungal infections of wheat. *Pakistan Journal of Biological Science.* 5(4): 449-451.
18. M A Rahman, MAI Khan, SM Jobair Hossain, **MS Hossain**, MA Hossain and SS Haque. 2002. Quantitative Karyotype analysis of *Licopersicon esculentum* cv. Oxhart. *Pakistan Journal of Biological Science.* 5(5): 581-584.
19. MAI Khan, MR Rashid, MA Muttalib and MS Hossain 2001: Adoption of selected recommended practices of BRRI dhan27 in tide prone non-saline area. *Bangladesh Rice J.* 10(1&2):43-47.
20. MA Rashid, MA Muttalib, MAI Khan and MS Hossain 2001: Problem confrontation of the farmers in modern aus rice cultivation in tidal non-saline ecosystem. *Bangladesh Rice J.* 10(1&2):49-53.

**(ii) Short Communication:**

**Co- Author**

1. M Z Rahman, M Ayub Ali, **MS Hossain**, MA Mansur and MA Zaman. 2013. Effect of lemon grass (*Cymbopogen citratus*) extract on seed health of rice. *Bangladesh Rice J.* 17(1 & 2): 89-91.
2. Z R Moni, MA Ali, S Alam, MAT Mia and **MS Hossain**. 2011. Screening of twenty four aman rice varieties against sheath blight disease (*Rhizoctonia Solani*). *Bangladesh J. Plant Pathol. Vol 27 (1 & 2): 81-83.*

**(b) Book chapter/Monograph/Bulletin:**

**(i) Book Chapter**

**As Principal Author**

1. **M S Hossain**, A K M S Islam, M J Kabir, M A R Sarkar, M A A Mamun, M C Rahman, M U Salam and M S Kabir. 2020. The role of training in transferring rice production technologies at farm level in Bangladesh. Doubling rice productivity in Bangladesh: A way to achieving SDG-2 and moving forward:

**(iii) Bulletin**

**Principal Author**

১. মো: শাহাদাত হোসেন ২০০২: গোড়া পচা ও বাকানী রোগ এবং এর প্রতিকার, কৃষি সম্প্রসারণ বুলেটিন, ৭ম বর্ষ, ৭৬ তম সংখ্যা, পাতা-৪

**Co- Author**

1. JK Biswas, **Md. Shahadat Hossain** and M Mahihul Haque: 2005. Journey towards evergreen revolution: Rice Perspective. Publish in the form of booklet on the occasion of Moulvibazar Seed-Fair
২. ফারুক আহমেদ খান, মো: শাহাদাত হোসেন এবং ড. জীবন কৃষ্ণ বিশ্বাস: ভালবীজ ধান উৎপাদনের সহজ কলা-কৌশল, অক্টোবর, ২০০৪

**(c) Workshop Proceedings:**

**Co- Author**

1. John M Stonehouse, MM Hossain, A Samad Azad and **M Shahadat Hossain** 2004: Integrated management of rice hispa in Bangladesh: Social and Economic aspects. Proceedings of the workshop on Ecology and Management of Rice Hispa in Bangladesh. 24-25 april, 2004. Bangladesh Rice Research Institute