

Curriculum Vitae of Dr. Md. Atiqul Islam



- 1. Name** : Dr. Md. Atiqul Islam
2. Father's Name : Late Md. Serajul Islam
3. Mother's Name : Mrs. Rashida Khatun

4. Present Address:

Principal Scientific Officer
Adaptive Research Division
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5. Permanent Address:

Village : Middle Sheri
Post Office. : Sherpur Town
Upazila : Sherpur
District. : Sherpur

- 6. Date of birth** : 01 September, 1963
7. Sex : Male
8. Marital Status : Married
9. Nationality : Bangladeshi by birth
10. Religion : Islam
11. Children : One daughter and one son
12. Date of joining as Scientific Officer at BRRI : 01-11-1990

13. Educational Qualification:

Degree	Passing Year	Board/ University	Divn/ Class/ GPA	Major subjects
S.S.C	1978	Dhaka Board	1 st division	Bangla, English, Physics, Chemistry, Biology, Math
H.S.C	1980	Dhaka Board	2 nd division	Bangla, English, Physics, Chemistry, Biology, Math
B.Sc.Ag(Hons)	1985	BAU, Mymensingh	2 nd class	Agronomy, Soil Science, Pl. Pathology, Entomology, Genetics and others
M.S	1996	IPSA, Gazipur	GPA 3.23	Soil Science and related subjects
Ph.D	2005	BSMRAU, Gazipur	GPA 3.40	Soil Science and related subjects

14. In country Training:

SL No.	Title	Period		Institution
		From	To	
1	Rice Production Training Course	10/08/1991	06/11/1991	BIRRI, Gazipur
2	Problem Based Technology Generation for Rainfed Low Land Environment	12/10/1997	25/10/1997	BIRRI, Gazipur
3	Training on Hybrid Rice			BIRRI, Gazipur
4	Conduct and Discipline	09/03/2008	20/03/2008	PATC, Chittagong
5	Breeder Seed Production and Preservation of Rice	17/06/2008	19/06/2008	BIRRI, Gazipur
6	Administrative and Financial Management	08/11/2008	21/11/2008	BARD, Comilla
7	Rice and Wheat Cultivation for Unfavorable Ecosystem	27/11/2011	28/11/2011	BARC, Dhaka
8	Data Management and Report Writing	17/06/2012	21/06/2012	IRRI, Dhaka
9	Use of Fertilizer Recommendation Guide-2012	11/11/2014	13/11/2014	BARC, Dhaka

15. Foreign Training/ Workshop:

S. N	Course Title	Institution	Country	Period	
				From	To
1	Farming System Research Course	IRRI	Philippines	20/07/1992	11/09/1992
2	Rice Research Technique Course	JICA	Japan	08/02/2000	16/11/2000

16. Promotion Particulars:

Rank	Promotion Date	G.O. Date	Nature of Promotion
Senior Scientific Officer	11-04-1999	11-04-1999	Promotion
Principal Scientific Officer	20-12-2006	20-12-2006	Promotion

17. Posting Records:

Post	Organization	Type of Posting (Regular/Deputation /Lien/osd/Others)	Location	Period	
				From	To
Scientific Officer	BIRRI	Regular	Gazipur	01-11-1990	10-04-1999
Senior Scientific Officer	BIRRI	Regular	Gazipur	11-04-1999	21-12-2006
Principal Scientific Officer	BIRRI	Regular	Sonagazi	24-12-2006	25-04-2011
Principal Scientific Officer	BIRRI	Deputation	Gazipur	28-04-2011	Up-to-date

18. Specialization: Adaptive research at farmers' field, rice-based technology validation and dissemination

19. Research Experience:

- a) Working at Adaptive Research Division of BRRI since 01 November, 1990 (More than 24 years service experience).
- b) Plan and execute on farm trials to evaluate and validate the BRRI developed technologies in diverse agro-ecological environments of Bangladesh.
- c) Tune up and synchronize the BRRI developed technologies with the farmers' choice and take feedback about the advantages and constraints of the BRRI developed varieties and other technologies.
- d) Identifying the farmer's specific demands for technologies under a specific agro-ecological environment and disseminate the newly released BRRI varieties and other technologies to the farming community having diverse cultural backgrounds through demonstrations.
- e) Planned, developed and executed the Seed Production and Dissemination Program (SPDP), which is conducted at farmer's field in collaboration with DAE for rapid dissemination of BRRI released varieties.
- f) Conducted Advanced Lines Adaptive Research Trial (ALART) at farmer's field which is very important trial in variety release process of BRRI.
- g) Conducted farmers' training, field days, farmers' rallies and trained farmers and agricultural extension personnel (SAAOs) to enrich their knowledge and skill about the new rice production technologies.
- h) Monitoring different on-farm adaptive research trials, collecting data, interpret the research results and prepare the reports.
- i) Supervised junior scientists and field staffs in conducting different trials.
- j) Data collection, analysis and report writing of executed programs.
- k) Preparation of Annual Research Review Workshop Reports.
- l) Involved as resource person to train AEO and SAAOs of DAE, NGO and Private Sector personnel in technology transfer approaches.
- m) Participated in different DTC, RTC, District Co-ordination meetings, Seminars and Workshops.
- n) Helped the Heads of regional station (when working at BRRI Sonagazi, Feni) and ARD (when working at BRRI HQ) in administrative and policy affairs as and when necessary.
- o) Acted as the chairman of different committees like evaluation committee, repairing committee, monitoring committee, condemnation committee, security committee, mosque committee etc. while working especially in regional station Sonagazi, Feni.
- p) Acted as the Head-in charge of regional station, Sonagazi while the formal head was in leave or in training at other places.
- q) Participated in different meetings decided, arranged and assigned by the authorities in respect of different administrative, research and policy issues and helped them as and when necessary.
- r) Reviewer of research papers to be published in different scientific journals
- s) Number of seminars given at BRRI and other organizations: About 06
- t) Paper presented in workshops: 05
- u) Number of publications: 29

20. Involvement in Variety Development:

I had been involved with the development of following varieties through on farm evaluation by Advanced Lines Adaptive Research Trial (ALART) since 1990 as working under ARD.

1. BRRRI dhan27 as Transplanted Aus
2. BRRRI dhan28 and BRRRI dhan29 as Irrigated Boro rice (Mega varieties).
3. BRRRI dhan30, BRRRI dhan31 and BRRRI dhan32 for lowland rice ecosystem.
4. BRRRI dhan35 as BPH resistant and BRRRI dhan36 as cold tolerant varieties.
5. BRRRI dhan39 as short duration T. Aman variety.
6. BRRRI dhan46 as photosensitive variety suitable for flood prone areas in Bangladesh.
7. BRRRI dhan47 as salt tolerant Boro variety.
8. BRRRI dhan48 as T. Aus variety.
9. BRRRI dhan49 for rainfed lowland ecosystem as medium duration with nizersail type grain.
10. BRRRI dhan50 (Banglamoti) as PQR scented Boro rice (Basmati type)
11. BRRRI dhan51 and BRRRI dhan52 as submergence tolerant varieties in RLR ecosystem and playing important role for food security for the flood prone areas of Bangladesh.
12. BRRRI dhan55 as medium level drought, cold and salinity tolerant.
13. BRRRI dhan58 for long duration very high yielding Boro variety.
14. BRRRI dahn59, BRRRI dhan60 for Irrigated Boro, BRRRI dhan61 as Boro for Saline prone areas.
15. BRRRI dhan62 as a first Zinc enriched variety for Transplanted Aman season.
16. BRRRI dhan65 for B. Aus
17. BRRRI dhan66 for T. Aman
18. BRRRI dhan67 for salt tolerant Irrigated Boro
19. BRRRI dhan68 and BRRRI dhan69 for Irrigated Boro

21. Language Proficiency:

<u>Language</u>	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Bangla	Excellent	Excellent	Excellent
English	Good	Good	Good

22. Computer background:

MS Word, MS Excel, MS Power Point, IRRISTAT, CROPSTAT

23. Total Number of publications: 29 (Scientific journals and proceeding)

In Scientific journals: 25

Full Scientific Papers as the Principal Author: 7

1. **Islam, M.A.**, N.I. Bhuiyan, J. Haider, M.A. Saleque and M.F. Islam, 2003. Changes in soil pH, organic matter and nitrogen content as affected by long-term application of urea and organic residues. *Bangladesh J. Agril. Sci.* 30(1): 77-81.
2. **Islam, M.A.**, N.I. Bhuiyan, M. A. Saleque, M.A. Rashid and M.F. Islam. 2001. Effects of long-term application of urea and organic residues on changes in available phosphorus, sulphur, zinc and exchangeable potassium status of soil. *Progress, Agric*, 12 (1 & 2): 27-31.
3. **Islam, M. A.**, M. A. Saleque, A. J. M. S. Karim, A. R. M. Solaiman and M. M. Masud, 2007. Characterization of acid piedmont rice soils for phosphorus sorption and phosphorus saturation. *Bull. Inst. Trop. Agr., Kyushu Univ.* 30: 11-27.
4. **Islam, M. A.**, M. A. Saleque, A. J. M. S. Karim, A. R. M. Solaiman and A. B. S. Sarker, 2007. Predicting Phosphorus Desorption from Acid Piedmont Rice Soils of Bangladesh. *The Agriculturists* 5(1&2): 50-60.
5. **Islam, M. A.**, M. R. Islam and A. B. S. Sarker, 2008. Effect of Phosphorus on Nutrient Uptake of Japonica and Indica Rice. *J Agric Rural Dev* 6(1&2), 7-12.
6. **Islam, M. A.**, 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 *J Agric. Edu. Technol.* 11(1&2): 79-86.
7. **Islam, M. A.**, M. A. Saleque, M. S. Islam, A. J. M. S. Karim, A. R. M. Solaiman and A. Islam, 2010. Phosphorus Fractionations in Acidic Piedmont Rice Soils. *Communication in Soil Science and Plant Analysis*, 41: 1178-1194.

Full Scientific Papers as the Co-Author: 18

1. Kamal, M.M., A.H.M. Jafar, T.K. Dey, S.H. Howlader and **M. A. Islam**, 2002. Pathogenicity of Seed-borne Fungi on True Potato Seed. *Bangladesh J. Agril. Res*, 27(3): 447-452.
2. Husain, M.M., A.H. Mollah, **M.A. Islam**, M.A. Zami and M. S. Islam, 2001. The Influence of Foliage Clipping on the Growth and Yield of Rainfed Lowland Rice. *Bangladesh J. Crop. Science*, 12(1 & 2): 15-21.
3. Islam, M. T., M.A. Zami, M.M. Rahman and **M.A. Islam**, 2001. Comparative Performances of Three Manually Operated Pumps. *Agric. Mech. in Asia, Africa and Latin America.* 32(1): 28-30.

4. Alam, M.Z., **M.A. Islam**, M.A. Muttaleb, M.S.I. Mamin and M.A. Rashid, 2001. Effect of Urea-N and *Sesbania* Dried Biomass on Yield and Yield Attributes of BR23: A Late Transplanted Aman variety. *Bangladesh Rice J.* 10 (1 & 2): 23-28.
5. Husain, M. M and M. A. Islam, 2001. Influence of Planting Time, Seedling Age and Planting Density on the Performance of Photoperiod Sensitive Rice. *Bangladesh Rice J.* 10(1 & 2): 29-32.
6. Husain, M.M., M.A. Hoque, **M.A. Islam**, F. Islam and M.R. Islam, 2000. Performance of Direct Wet Seeded Rice Under On-Farm Irrigated Conditions in Bangladesh. *Bangladesh J. Environ. Sci.* Vol 6(2): 329-333.
7. Husain, M.M., M.A. Salam, **M.A. Islam**, Md. Ibrahim and S. Kabir, 1999. Adaptation of HYV-Rice under Coastal Upland Saline Soil Conditions. *Bangladesh J. Environ. Sci.* Vol.5, 98-103.
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.U. Ahmed, **M.A. Islam** and M.A. Muttaleb, 1998. Cultivar X Environment Interaction and Stability Analysis for Grain Yield of BRRRI Released Rice Varieties. *Journal of Agricultural Education and Technology.* 1(1) :11-14.
10. Alam, M.Z., Nur-E-Elahi, **M.A. Islam** and A.U. Ahmed, 1998. Integrated nitrogen management in transplanted aman rice under rainfed condition. *Thai. J. Agric. Sci.* 31(1) : 104-111.
11. Julfikar, A.W., M.A. Hossain, T.H. Ansari and **M.A. Islam**, 1997. The augmented design as an aid to preliminary selection of new rice hybrids. *Bangladesh J. Life. Sci.* 9 (1) : 23-29.
12. Ahmed, G.J.U., A.J. Mridha, S.T. Hossain, M.J.U. Chowdhury and **M. A. Islam**, 1997. Effect of rotary and hand weeding on the weed control of low land aus rice. *Bangladesh J. Agril. Res.* 22(1): 93-99.
13. Husain, M.M., A.U. Ahmed, **M.A. Islam**, M.A. Rashed and M.M. Kamal, 1997. Effect of seedling and Soil Treatments with Carbofuran on Ufra Disease Infestation and Yield of Irrigated Rice. *Bangladesh Rice J.* 8(1&2): 23-26.
14. Islam, M.T., M.A.Zami and **M.A. Islam**, 1996. Determination of thermal diffusivity of a Maize Cob. *J. Agril. Mach. & Mech.* 3 (1&2) :1-8.
15. Masud, M. M., M. E. Ali, **M. A. Islam**, S. Noor and M. A. Siddiky, 2008. Efficiency and dynamics of DAP and TSP phosphorus in calcareous and acidic soils. *Intl. J. BioRes.* 4(6): 59-71.

16. Sarker, A. B. S. M. B. Rahman, R. Yasmeen, **M. A. Islam** and S. M. M. Islam. 2007. Effect of crop establishment methods on the performance of Boro rice (*Oryza sativa L.*) in the cooler region under light texture soil condition. *The Agriculturists*, 5(1 & 2): 95-100.
17. Sarker, A. B. S, M. B. Rahman, M G Ali, M A Mannan, R. Yasmeen and **M. A. Islam**. 2008. Effect of Crop Establishment Methods on the Performance of Transplanted Aman Rice in North-western Region of Bangladesh. *Bangladesh Rice J.* 13(1): 107-112.
18. Mamunur Rahman M, M.M Rashid and **M. A. Islam**. 2013. Transplanting by Uprooting Tillers from Dibbled Field: An Idea for Crop Intensification and Sustainable Rice Cultivation. *J Rice Res* 1(2):1-6.

Papers Presented in Workshop as Co-author: 3

1. Ahmed, A.U., M.A. Razzaque, M.M. Husain, M.A. Rashid, K.A. Billah, A.K.M. Azmal, S.I. Momin, G. Rema, S.S. Parul, M.Z. Alam, M.A. Quayum and **A. Islam**. *Proceedings of the workshop on the experiences with modern rice cultivation in Bangladesh.* 23-25 April, 1991, BRRI, Gazipur. Pages. 189-197.
2. Ahmed, A.U., M.M. Husain, M.A. Razzaque, M.A. Rashid, M.S.I. Mamin, A.K.M.H. Rahman, M.Z., Alam, **M.A. Islam**, M.A. Mottaleb and M.R. Islam, 1997. On-farm evaluation of Rice Production Technology. *Proceedings of the Workshop on Modern Rice Cultivation in Bangladesh.* 16-18 April, 1996, Bangladesh Rice Research Institute, Pages:213-218.
3. Ahmed, A.U., A.K.M. Azmal, M.A. Muttaleb, **M.A. Islam**, M.M. Husain, M.A. Rashid, M.A. Razzaque, M.R. Islam and S.S. Parul. Status of recently released BRRI dhans under On-farm conditions. *Paper presented in the workshop on Modern Rice Cultivation in Bangladesh.* 14-16 February, 99. BRRI, Gazipur.

Published proceedings as the Co-author: 1

1. Saleque, M.A., **M.A. Islam** and M.H. Rashid, 2004. Phosphorus availability in acid piedmont soil due to organic and inorganic amendments under aerobic and anaerobic conditions. *In W. J. Chardon and G. F. Koopmans (Eds.) Critical evaluation of options for reducing phosphorus loss from agriculture*, 16-19 August, Wageningen, *The Netherlands*.

Papers Presented in Seminar/Workshop as Principal author: 5

1. **Islam, M.A.** 2000. Effect of Phosphorus on Growth, Yield and Nutrient Absorption Pattern of a Japonica and an Indica Rice Varieties. Report on experiments in Rice Research Techniques Course, Tsukuba International Centre (TBIC), JICA. Vol.4: 1-21.

2. **Islam, M.A.** 2003. Effect of arsenic contaminated irrigation water on rice. Seminar paper presented on 08 May 2003 at Bangabandhu Sheikh Mujibur Rahman Agricultural University, Salna, Gazipur.
3. **Islam, M.A.** Organic amendments and phosphorus sorption by soils. Seminar paper presented in graduate seminar class at Bangabandhu Sheikh Mujibur Rahman Agricultural University, Salna, Gazipur.
4. **Islam, M.A.** and M.A.Saleque. 2006. Characterization of some acid piedmont rice soils for phosphorus sorption and desorption. Seminar paper presented in Thursday seminar on 13 July 2006 at Bangladesh Rice Research Institute, Gazipur.
5. **Islam, M.A.,** M.A.Saleque, M. S. Islam, A. J. M. S. Karim and A.R. M. Solaiman, 2007. Phosphorus Fractions of Acid Piedmont Rice Soils in Northeastern Bangladesh. Seminar paper presented in Thursday seminar on 05 July 2007 at Bangladesh Rice Research Institute, Gazipur.

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