

# Curriculum Vitae of Shah Ashadul Islam

Senior Scientific Officer (Senior Agronomist), Agronomy Division,  
Bangladesh Rice Research Institute, Gazipur-1701, The Peoples Republic of Bangladesh  
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**Career objectives** Molecular and field research on efficient nutrient uptake even in stress condition and accumulation of micronutrients in grain for sustainable rice ecosystem in changing climate.

**Research Interests**

- Increase production and enhance micro nutrient in rice through nutrient management
- Soil health improvement and resource conservation for sustainable ecosystem
- Stress management and environmental friendly cropping system development

**Education** **Master of Science in Biotechnology**, Bangladesh Agricultural University (BAU), 2005  
*Main Courses:* Molecular Cell Biology, Molecular Genetics, Recombinant DNA Technology, Enzymology and Enzyme Technology, Molecular Markers and Diagnostics, Gene Expression and Regulation, Environmental Biotechnology and Bio-safety etc.

*Obtained Grade:* 3.61 out of 4.00 (A-), *Total Credit Hours* 40.

**MS Research Thesis:** *In vitro* regeneration of *Anthurium andeanum* cv. Nitta.

**Bachelor of Science in Agriculture (Honours)**, BAU, 2000 (held in 2003)

*Major Courses:* Agronomy, Soil Science, Genetics and Plant Breeding, Entomology, Plant Pathology, Bio Chemistry, Crop Botany, Horticulture, Agricultural Extension Education etc.

*Obtained Class & Marks:* Higher 2<sup>nd</sup> Class (59.56%), *Position:* 98 out of 431 regular students.

**Experience (In BRRRI)** Joined as Scientific Officer at Agronomy Division, BRRRI, Gazipur in 20 July, 2005  
Promoted as Senior Scientific Officer at BRRRI R/S, Bhanga, Faridpur in 13 January, 2011  
Taking the official charge of BRRRI Regional Station, Bhanga, Faridpur in 14 February, 2013  
Transferred to BRRRI Head Quarter at Agronomy Division in 9 November, 2014

**Experience (Technology Developed)**

- Optimized fertilizer management to maximize rice yield in Low Ganges River Floodplain areas of Bangladesh.
- Determination of suitable planting time for hybrid and inbred rice in irrigated ecosystem of Bangladesh.
- Comparative study of drum seeder and transplanting for rice cultivation in irrigated condition
- Determination of fertilizer management and planting density for maximizing yield in rain fed situation of Bangladesh
- Developed suitable rice production technology in Late Aman season after rescission of flood water in Bangladesh.
- Soil fertility management in single cropped area of Low Ganges River Floodplain of Bangladesh

**Experience (In Project)**

- **Co-Investigator** of DANIDA funded project “Dissemination of salt tolerant rice varieties and participatory variety selection in coastal areas of Bangladesh.”
- **Working Scientist** of Sustainable Crop Production Research for International Development (SCPRID) project “Effect of Genotype-Zinc Interaction.”
- **Working Scientist** of HarvestPlus project “Development and delivery of high zinc rice in Bangladesh” and analyzed grain zinc through X-ray fluorescence (X-RF).
- **Working Scientist** of Bangladesh Government funded project “Minimization of Rice Yield Gap Minimization in Bangladesh”.
- **District Technical Advisor on rice** at Pirojpur and Gazipur District to increase grain yield and solving production problems after SIDR (Cyclone) affected Bangladesh.

<b>Key Skills</b>	<b>Office Skills:</b>	<i>Office Management Administration</i>	<i>Spreadsheets/Reports Event Management</i>	<i>Executive Support Calendaring</i>
	<b>Computer Skills:</b>	<i>MS Word MS Excel</i>	<i>MS PowerPoint Windows</i>	<i>Adobe Photoshop Adobe Illustrator</i>
	<b>Language Skills:</b>	<i>IELTS Score 6.0 GRE Test Score 292</i>	<i>Candidate no. 015290 Reg. no. 5972231</i>	<i>Date: 11/01/2014 Date: 20/02/2014</i>
	<b>Analytical Skills:</b>	<i>Crop Stat 7.2 SPSS 10</i>	<i>MSTAT-C Program</i>	<i>APSIM Model</i>

Training (In China)	<ul style="list-style-type: none"> <li>• <b>Agro and Biotechnology</b>, 2007 at National Agro-Tech Extension and Service Center</li> <li>• <b>Hybrid rice</b>, 2011 at Yuan Longping High-tech Agricultural Company Limited</li> </ul>
Training (Country)	<ul style="list-style-type: none"> <li>• Achieved <b>Distinction</b> and earned excellent marks in Rice Production Training, 2008</li> <li>• Project proposal writing, 2014</li> <li>• Computer application and English language course, 2011</li> <li>• Research Methodology, 2010</li> <li>• Use of Manual for Fertilizer Analysis, 2009</li> <li>• Hybrid Rice Cultivation and Seed Production, 2009</li> <li>• Use of Fertilizer Recommendation Guide, 2008</li> <li>• Foundation Training Course for NARS Scientists, 2006</li> </ul>
Publications 19 Research Paper	<ol style="list-style-type: none"> <li>1. Islam, S.A., M.R. Dewan, M.H.R. Mukul, M.A. Hossen and F. Khatun. 2010. In vitro regeneration of <i>Anthurium andreanum</i> cv. Nitta. ISSN: 0258-7122. Bangladesh J. Agril. Res. 35 [2]: 217-226.</li> <li>2. Islam, S.A, M.A. Mannan, M.A.A. Mamun, M.K.A. Bhuiyan, F. Khatun and A.J. Mridha. 2010. Influence of late planting on growth and yield of transplanted Aman rice. ISSN: 1013-1922. Bangladesh Agron. J. 13 (1&amp;2): 59-66.</li> <li>3. Islam, S.A, M.R. Dewan, M.H.R. Mukul, M.A. Haque and F. Khatun. 2009. Effect of charcoal in regeneration of <i>Anthurium andreanum</i> cv. Nitta. Eco-friendly Agril. J. 2(3):456-463.</li> <li>4. Rahman, M.S., M.N. Islam, M.Z. Hassan, <b>S.A. Islam</b>, S.K. Zaman. 2014. Impact of Water Management on the Arsenic content of Rice Grain and Cultivated Soil in an Arsenic contaminated Area of Bangladesh. J. Env. Sci. and N. Res. 7(2): 43-46</li> <li>5. M.K.A. Bhuiyan, A.J. Mridha, G.J.U Ahmed, <b>S.A. Islam</b> and M.A.A. Mamun. 2014. Effect of rice bran application for eco friendly weed control, growth and yield of lowland rice in Bangladesh. Int. J of Agronomy and Agril. Res. (IJAAR). 2 (3): 40-44.</li> <li>6. Mamun, M.A.A., R. Shultana, <b>S.A. Islam</b>, M.A. Badshah, M.K.A. Bhuiyan and A.J. Mridha. 2011. Bio-efficacy of Bensulfuron Methyl + Pretilachlor 6.6% GR against weed suppression in transplanted rice. Bangladesh J. Weed Sci. 2(1&amp;2): 9-13.</li> <li>7. Mannan, M.A., M.I.M. Akhand, <b>S.A. Islam</b>, A.J. Mridha and R. Shultana. 2010. Influence of Nitrogen on the growth and yield of Basmati Rice genotypes in Boro season. Int. J. Sustain. Agril. Tech. 6(3):39-45.</li> <li>8. Sarker, M.R.A., <b>S.A. Islam</b>, M.A. Mannan, M.A. Hossen and M.M.R. Dewan. 2009. Influence of different rates of nutrients and planting density on the yield of BRRI dhan44. Intl. J. BioRes. 6(1):7-11.</li> <li>9. Dewan, M.M.R., M.A. Haque, M.A. Hossen, <b>S.A. Islam</b> and M.H.R. Mukul. 2009. Variability study of yield contributing characters of forty-six Gourd accessions. Eco-Friendly Agril. J. 2(2):433-437.</li> <li>10. Mukul, M.H.R., M.A. Haque, M.M.R. Dewan, <b>S.A. Islam</b> and M.R. Islam. 2009. Study on the sorption and retention behavior of potassium in soils. Int. J. Sustain. Agril. Tech. 5(2):46-50.</li> <li>11. Mannan, M.A., M.S.U. Bhuiyan, S.M.A. Hossain, M.A. Badshah and <b>S.A. Islam</b>. 2008. Growth and yield of modern and traditional fine grained rice genotypes in Aman and Boro seasons. Bangladesh Rice J. 13(1): 31-36.</li> <li>12. Rahman, M.B., S.M.A. Hossain, J.C. Biswas, <b>S.A. Islam</b>, M.G. Ali and M.A. Rahman. 2008. Influence of N and weed management practices on rice yield under different crop establishment methods. Eco-Friendly Agril. J. 1(1):26-31.</li> <li>13. Rahman, M.B., S.M.A. Hossain, J.C. Biswas, A.B.S. Sarker, <b>S.A. Islam</b> and M.A. Rahman. 2008. Studies on the performances of direct wet seeded and transplanted Aman and Boro rice. Eco-Friendly Agril. J. 1(1):18-25.</li> <li>14. Dewan, M.M.R., M.S.A. Talukder, M.A. Hossen, M.R.A. Sarker and <b>S.A. Islam</b>. 2008. A study on mustard seed quality in different storage containers. Eco-Friendly Agril. J. 1(4):198-201.</li> <li>15. Hossen, M.K., M.M.R. Dewan, M.A. Hossen, M.H.R. Mukul and <b>S.A. Islam</b>. 2007. Study the effect of crop establishment methods on the agro economic productivity of Aman rice. Intl. J. BioRes. 3(2):23-34.</li> <li>16. Rahman, M.B., S.M.A. Hossain, A.B.S. Sarker, J.C. Biswas and <b>S.A. Islam</b>. 2007. Growth and yield of direct wet seeded rice as affected by weed management practices. Intl. J. BioRes. 2(4):26-33.</li> <li>17. Bhuiyan, M.K.A., G.J.U. Ahmed, J.A. Begum and <b>S.A. Islam</b>. 2007. Bio-efficacy of Pyrazosulfuran-Ethyl 10WP for weed management in transplanted rice (<i>Oryza sativa L.</i>). Intl. J. BioRes. 3(1):58-63.</li> <li>18. Hossen, M.A., M.D. Huda, M.M.R. Dewan, <b>S.A. Islam</b> and T.K. Sarker. 2006. Arsenic test and removal from tube well water at control flow rate and drinking purpose. Int. J. Sustain. Agril. Tech. 2(5):26-30.</li> <li>19. Hossen, M.A., M.H.R. Mukul, <b>S.A. Islam</b> and M.M.R. Dewan. 2006. Daily water requirement for drinking and cooking purposes of the rural people: A case study in Mymensingh District, Bangladesh. Intl. J. BioRes. 1(2):22-25.</li> </ol>

<b>Proceedings</b>	<ol style="list-style-type: none"> <li>1. <b>S.A. Islam</b>, M.A. Mannan, M.A.A. Mamun, A.J. Mridha and F. Khatun. Effect of BRRI dhan46 as late transplanted Aman rice. 2010. Abstracts and paper presented at International Conference on Crop production under Changing Climate in Bangladesh: Agronomic Options, 6-7 October, Dhaka, Bangladesh. Page-30.</li> <li>2. M.K.A. Bhuiyan, M.A.J. Mridha, <b>S.A. Islam</b> and G.J.U. Ahmed. 2010. Competitive ability of rice cultivars against weed suppression in wet seeded Boro rice. Abstracts and paper presented at International Conference on Crop production under Changing Climate in Bangladesh: Agronomic Options, 6-7 October, Dhaka, Bangladesh. Page-24.</li> <li>3. T.H. Ansari, S. Mitra, <b>S.A. Islam</b> and A.B.S. Sarker. 2010. Influence of planting time on growth and yield of inbred and hybrid cultivars in coastal saline environment. Abstracts and paper presented at International Conference on Crop production under Changing Climate in Bangladesh: Agronomic Options, 6-7 October, Dhaka, Bangladesh. Page-26.</li> </ol>
<b>Professional Membership</b>	<ul style="list-style-type: none"> <li>• Agronomy Society of Bangladesh (Life Member).</li> <li>• Weed Science Society of Bangladesh.</li> <li>• Bangladesh Rice Research Institute Scientist Association.</li> </ul>
<b>Other Activities</b>	<ul style="list-style-type: none"> <li>• Work as a reviewer of Scientific Paper of different Journals.</li> <li>• Presentation of radio programs on cultural and fertilizer management of rice.</li> <li>• Conducted training of Farmers, Sub Assistant Agricultural Officers and BRRI Scientist.</li> <li>• Participated in National and International Workshop</li> </ul>

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