



Curriculum Vitae

Personal Information

Surname(s) / First name(s)	Md. Ashraful Alam
Address(es)	Scientific Officer Farm Machinery and Post-harvest Technology (FMPHT) Division Bangladesh Rice Research Institute (BRRRI) Gazipur-1701, Bangladesh
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E-mail	ashraf1982s@gmail.com
Nationality	Bangladeshi by birth
Date of birth	10 March 1982
Marital status	Married
Gender	Male

Work experience as Researcher

Dates	03 June 2012 to date
Occupation or position held	Scientific Officer
Main activities and responsibilities	Development of stores and storage technology, Design and development of Agricultural Machinery, Milling and Processing Technology, Renewable Energy Technology, Popularization of BRRRI developed farm machinery and Postharvest technology
Name and address of employer	Bangladesh rice Research Institute (BRRRI), Gazipur-1701, Bangladesh
Type of business or sector	Research and Training

Work experience as Engineer

Dates	31 August 2006 to 30 June 2011
Occupation or position held	Agriculture Engineer
Main activities and responsibilities	Extension of farm water management practices through demonstrations to increase irrigation efficiency. Field visit, farmers training and motivation to adopt new technology. Installation of multipurpose deep tube well, Reconstruct and re-excavate canal and other water bodies.
Name and address of employer	Department of Agriculture Extension (DAE), Dhaka, Bangladesh
Type of business or sector	Extension

Educational Qualification

Master of Science

Dates	2007
Title of qualification awarded	M Sc in Farm Structure
Result awarded	CGPA 3.227 (out of 4.00)
Principal subjects/occupational skills covered	Storage Engineering, Environmental Engineering, Agricultural Waste Management, Rural Housing & Sanitation, Concrete Technology, Construction Management, Farm Building Design, Engineering Mathematics, Soil Mechanics, Foundation Structure
Thesis Title	Command area development of shallow tubewell by providing different canal system
Name and type of organization providing education	Bangladesh Agricultural University, Mymensingh-2202, Bangladesh

Bachelor of Science

Dates	2004 (Exam. held on 2005)
Title of qualification awarded	B Sc in Agricultural Engineering
Result awarded	Second Class
Principal subjects/occupational skills covered	Physics, Chemistry, Mathematics, Engineering Drawing, Engg. Mechanics. & Kinetics, Engineering Materials & Estimation, Computer Science, Engineering analysis, Thermodynamics, Elect. Engg. & Electronics, Agril. Mach. & Power Sources, Mechanization. & Engg. Management, Elect. Mach. & Rural Electrification, Agril. Mach. Design & Analysis, Refrigeration- A/C & Process Engg, Fluid Mech. & Hydro, Agril. Statistics, Elementary Economics, Strength of Material & Theory of Structure, Irrigation & Drainage Engg., Soil Mech. & Foundation Engg., Soil & Water Conservation. Engg., Agril. Meteorology. & Hydrology, Surveying, Design of Concrete Structures Hydro. Mach. & Irri. Structure Ground Water & Wells, Fundamental of Food Engg, Food Plant Engineering, Food Process Engg & Quality Control
Name and type of organisation providing education	Bangladesh Agricultural University, Mymensingh-2202, Bangladesh

Higher Secondary Certificate

Dates	1999
Title of qualification awarded	Higher Secondary Certificate (H Sc)
Result awarded	First Division
Principal subjects	Bengali, English, Physics , Chemistry, Mathematics, Biology
Name and type of organisation providing education	Madhupur Shahid Smrity Higher Secondary School, Madhupur, Tangail, Bangladesh

Secondary School Certificate

Dates	1997
Title of qualification awarded	Secondary School Certificate (SSC)
Result awarded	First Division
Principal subjects/occupational skills covered	Bengali, English, General Mathematics, Geography, General Science, Religious Education, Higher Mathematics
Name and type of organization providing education	Brahminbari High School, Madhupur, Tangail, Bangladesh

Training (Foreign-Online)

Sl. no.	Organization	Year	Duration		Name of Program
			From	To	
1	University of Illinois at Urbana-Champaign	2015	2 February	1 March	Global Postharvest Loss Prevention: Fundamentals, Technologies, and Actors

Training (In-Country)

Sl. no	Organization	Year	Duration		Name of Program
			From	To	
1	BRRI, Gazipur	2014	16 February	16 April	Two-month Rice Production Training Course
2	BRRI, Gazipur	2013	22 December	24 December	Training on Experimental Design, Layout and Statistical Analysis
3	BRRI, Gazipur	2013	17 December	19 December	Training on Operation of Laboratory Equipment
4	BRRI, Gazipur	2013	15 September	18 September	Engineering Drawing and Design of Small Equipment by AutoCAD Tools
5	BRRI, Gazipur	2013	18 June	20 June	Rice Breeder Seed Production and Preservation Training Course
6	Bangladesh Agriculture Research Institute, Gazipur	2013	01 June	04 June	Agricultural Engineering Technology
7	Rural Development Academy (RDA), Bogra	2011	20 December 2010	03 January 2011	Operation and Maintenance of Agricultural Machinery

8	Central Extension Resources & Development Institute (CERDI), Gazipur	2010	08 May	13 May	Irrigation and Water Management
9	DAE, Dhaka	2009	18 July	22 July	Project Implementation Technique
10	DAE, Dhaka	2006	18 November	23 November	Induction Training Course

Scientific Publication(s)

- 1 MA Hossen, **MA Alam**, S Paul and MA Hossain; Modification and evaluation of a power weeder for Bangladesh condition; Eco-friendly Agril. J. 8(03): 37-46, 2015 (March)
- 2 M.A. Hossen, M. A. Rahman, T. K Sarker and **M. A. Alam** ; Improvement of BRR1 USG Applicator. J. Agril. Mach. Bioresour. Eng. 6(1&2), 2013: 33-39
- 3 AKML Rahman, S Paul, S Hossen, M B Uddin and **M A Alam**; Study on the self-life of pineapple preserves and candies; Eco-friendly Agril. J.5(12); 289-296,2012 (December)
- 4 M S Rahman, MT Islam, MA Hossain, **M A Alam** and AJ Mridha; Command area development of shallow tubewell by providing different conveyance system. Intl. J. BioRes.8(3):15-21, 2010

Current Research as Principal Investigator

- 1 Study on milling recovery of BRR1 varieties under different drying rate and degree of polishing
- 2 Performance evaluation of different types reaper
- 3 Study the effect of N2 application method on crop performance
- 4 Study the effect of spacing on yield transplanting by mechanical rice transplanter

Current Research as Co-Investigator

- 1 Improvement of rice de-husking and polishing technology
- 2 Study the storage quality under different degree of milled rice
- 3 Study the effect on physical and nutritional properties of BRR1 varieties under different degree of milling
- 4 Effect of ageing on milling and physicochemical properties of premium quality rice
- 5 Design and development of inclined plate type direct seeding machine
- 6 Postharvest Loss Assessment of Rice

Project building and executing

- 1) **DRCB** Improvement and executed the project entitled **Development of Research Project Capacity of the Bangladesh Rice Research Institute**. The project was executed in BRR1 research field and funded by KOICA
- 2) **DUART** Executed the project entitled **Development and Validation of USG Applicator and Rice Transplanter**. The project was executed in Habigonj, Kustia, Netrokona and Rajshahi district and funded by BARC.

- 3) **FMTD** Improvement and executed the project entitled **Farm Machinery Technology Development and Dissemination**. The project was executed in twelve districts and funded by GOB.
- 4) **IAPP** Executing the project entitled **Integrated Agriculture Productivity Project**. The project was executing in Barisal & Rangpur region.
- 5) Executing the project entitled **Pirojpur- Gopalganj- Bagerhat Integrated PGBIADP Agriculture Development Project**. The project was executing in Pirojpur-Gopalganj-Bagerhat district and funded by GOB.
- 6) **MIADP** Executing the project entitled **Mujibnagar Integrated Agriculture Development Project**. The project was executing in Meherpur, Jhainadah & Chuadanga district and funded by GOB.

Reference 1:

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Reference 2:

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