

CURRICULUM VITAE OF

SHARMIN ISLAM

MAILING ADDRESS

Sharmin Islam
Agriculture Engineer
Farm Machinery and Postharvest Technology Division
Bangladesh Rice Research Institute
Gazipur-1701, Bangladesh
Cell phone: +880-1717-609085
E-mail: sharminshikha85@gmail.com



PERSONAL DETAILS

Name : **Sharmin Islam**
Father's name : Md. Rafiqul Islam
Mother's name : Monuara Begum
Date of birth : 19th January, 1985
Place of birth : Jamalpur
Nationality : Bangladeshi (by birth)
Permanent address : Vill.-Tetulia , Post Office- Jamalpur, Upazilla -Jamalpur Sadar,
District-Jamalpur
Marital status : Unmarried
Sex : Female
Blood Group : O Positive (O+)
Religion : Islam

EDUCATIONAL QUALIFICATION

Name of the Degree	Institution/University	Year of Passing	Division/Class/CGPA	Marks Obtained (%)
Ms in Irrigataion and Water Management	Bangladesh Agricultural University , Mymensingh	2009	3.561 (out of 4.00)	71.22
B. Sc. Agricultural Engineering	Bangladesh Agricultural University (BAU), Mymensingh	2008	3.379 (out of 4.00)	67.58
H.S.C (Higher Secondary Certificate)	Govt. Ashek Mahmud College , Jamalpur Dhaka Board	2002	First	69.7
S.S.C (Secondary School Certificate)	Jamalpur Govt Girls' High School, Dhaka Board	2000	First	79.1

EMPLOYMENT HISTORY

Name of the Institute	Name of the post	Tenure of Service		Service Length	Objective/ activities
		Form	To		
Bangladesh Rice Research Institute(BRRI)	Agriculture Engineer	23/09/2014	Till	-	<p>Responsibilities: To research on post harvest technology and to development, modification and extension of agricultural Machinery for Bangladesh Agriculture.</p> <p>Regular activities: i) Research program development, design, setup and execution; ii) Data collection, analysis and report writing; iii) Research activities supervision and management; iv) Farmer training and technical support; v) Office Administration, farm and financial management.</p>
Department of Agriculture Extension(DAE),Ministry of Agriculture	Agricultural Engineer	15March, 2009	30 June, 2011	27 Months	<ul style="list-style-type: none"> • Introduction of Agricultural Machinery viz. Power tiller, Reaper, Thresher, Drier to the farmers' level. • Extension of Drip, Hand shower and Buried pipe irrigation application method in the field. • Demonstration of irrigation technology like Pre-cast concrete channel, improved earthen canal • Dissemination of water saving technology i.e. Alternate Wetting and Drying (AWD) method. • Organizing farmers training, Field day, Rally, Agricultural Engineering technology fair and Workshop

PERSONAL SKILL AND COMPETENCE

Language proficiency:

Mother tongue: Bengali

Other language: English

Social and organizational skill and competence:

1. Member, Institution of Engineers, Bangladesh (**IEB**);
2. Member, Bangladesh Society of Agricultural Engineers (**BSAE**);
3. Krishibid Institution, Bangladesh (**KIB**);
4. Bangladesh Rice Research Institute Scientist's Association (**BRRISA**)

Computer skill and competence:

1. Competent in Microsoft Operating Systems and Microsoft Office package
2. Familiar software: Operating software Windows-7, Windows-98, Windows-XP and Arc view (GIS),
3. Basic Knowledge on Hardware and competent in using internet

MASTER OF ENGINEERING THESIS

- Carried out six Credit thesis work under the guidance of Prof. Dr. Md. Rafiqul Hoque, Department of Irrigation and Water Management, Bangladesh Agricultural University (BAU), Mymensingh entitle ‘**Assessment of Upward Flux from Shallow Water-table Using A Simulation Model**’.

SCIENTIFIC PUBLICATION(S)

1. M.H.Ali, I. Abustan and S. Islam . SIMULATION OF UPWARD FLUX FROM SHALLOW WATER-TABLE USING UPFLOW MODEL .Journal of Natural Resources and Development 2013;03:123-127

Research as Principal Investigator/Co-investigator

Sl. No	Research programme name	PI	CI	Remarks
1	Effect of settling period of soil on performance of Rice Transplanter	-	CI	Developed, Supervised, Executed
2	Design and development of bin type dryer	-	CI	Developed, Supervised, Continued

3	Development of a metal storage structure	-	CI	Developed, Supervised, Continued
4	Performance evaluation of BRRI manual operated rice transplanter	-	CI	Developed, Supervised, Continued
5	Study the effect of N ₂ application method on crop performance	-	CI	Developed, Supervised, Continued

TRAINING COURSES COMPLETED

(a) In Country

Organization	Year	Duration		Name of Programme
		Months	Days	
Bangladesh Agricultural Research Institute (BARI)	2015	-	05	Use of Farm Machinery and Irrigation System Management
Graduate Training Institute, Bangladesh Agricultural University, Mymensingh	2008	-	12	Basics of MS Office

MAJOR SUBJECT STUDIED

Course work in B.Sc. Agricultural Engineering	
Level: 1 Semester: 1 Physics Chemistry Soil Science English Mathematics I Engineering Shop Engineering Drawing (Civil)	Level: 1 Semester: 2 Agronomy Mathematics II Computer Science Workshop Technology Engineering Drawing (Mechanical) Engineering Mechanics Surveying
Level: 2 Semester: 1	Level: 2 Semester: 2

Mathematics III Agricultural Economics Computer Application Thermodynamics Engineering Materials Food Science Fluid Mechanics	Electrical Engineering Hydraulics Heat Engines Strength of Materials Material and Cost Estimation Horticultural Science Rural Sociology Statistics
Level: 3 Semester: 1 Agricultural Power Electrical Machinery Irrigation and Drainage Engineering Groundwater Engineering Soil Mechanics Concrete Structure Design	Level: 3 Semester: 2 Agricultural Extension Education Agricultural Machinery Rural Electrification Engineering Environmental Engineering Hydraulic Engineering Agricultural Meteorology
Level: 4 Semester: 1 Accountancy Computer Aided Design Agricultural Mechanization Pumps and Wells Soil and Water Conservation Engineering Hydrology Hydraulic Machinery Project Work and Seminar	Level: 4 Semester: 2 Engineering Management On-Farm Water Management Irrigation Structure Flood Control and River Training Land and Watershed Management Aquacultural Engineering Project Work and Report

Master of Science in Irrigation and Water Management	
Semester: 1	Irrigation System Design Surface Water Hydrology Economics of Water Resources Projects Soil-Water-Plant Relationship River Engineering and Flood Management Mathematics for Water Engineering
Semester: 2	Drainage Engineering Ground Water Development Open Channel Flow Irrigation System Planning and Management Crop Climatology

	Water Resources Planning
Semester: 3	Research

REFERENCES

1. Dr. Md. Abdur Rahman

Chief Scientific Officer
Farm Machinery and Postharvest Technology (FMPHT) Division,
Bangladesh Rice Research Institute (BRRI),
Gazipur-1701, Bangladesh

2. Dr. Md. Durrul Huda

Principal Scientific Officer
Farm Machinery and Postharvest Technology (FMPHT) Division,
Bangladesh Rice Research Institute (BRRI),
Gazipur-1701, Bangladesh

Sincerely

(Sharmin Islam)
Agriculture Engineer
Farm Machinery and Postharvest Technology Division
Bangladesh Rice Research Institute
Gazipur-1701, Bangladesh