

BIO DATA



1. Name : **Dr. FAHMIDA RAHMAN**
2. Father's Name : Late Mokhlesur Rahman Khan
3. Mather's Name : Farida Begum
4. Permanent Address : Village: Parajpur, P.O.: Fashiladanga, Upazilla:
Dinajpur Sadar, District: Dinajpur, Bangladesh
5. Present/Mailing Address : Senior Scientific Officer
Soil Science Division
Bangladesh Rice Research Institute, Gazipur
Mobile no.: 01732176328
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6. Date of Birth : 11th March, 1972
7. Nationality : Bangladeshi (by birth)
8. Educational Qualifications :

Degree/ Diploma/ Certificate	Class/ Grade/ Division	University/ Institute/ Board	Year
S.S.C	1 st	Dhaka	1987
H.S.C	1 st	Dhaka	1989
B. Sc. Ag	1 st	BAU, Mymensingh	1993
M. S. in Horticulture	1 st (Grade A)	BSMRAU, Gazipur	2002
PhD in Soil Science	1 st (Grade A)	BSMRAU, Gazipur	2013

9. Field of specialization: Soil fertility and plant nutrition for rice

10. Additional qualification/Training acquired in Bangladesh and /or abroad (List of all short-term training, not included in educational career. Give dates and duration of course)

S.N.	Training Title	Starting Date	Ending Date	Duration	Remarks
In-country training					
1	Farming Systems Research and Development Program	07/03/1999	18/03/1999	12 days	Satisfactory
2	Foundation Training Course for NARS Scientists	28/06/1999	11/10/1999	3.5 months	BARC Chairman's awards (1 st position)
3	Food and Nutrition security in Bangladesh	10/02/2001	20/02/2001	11 days	Satisfactory

4	Breeder Seed Production and Preservation Techniques in rice	18/06/2002	20/06/2002	03 days	Satisfactory
5	Rice Production, Communication and Office Management	21/12/2003	18/02/2004	02 months	Distinction
6	Management of problem Soil	06/06/2005	09/06/2005	04 days	Satisfactory
7	Hybrid rice development and seed production	19/03/2006	23/03/2006	05 days	Satisfactory
8	Use of Manual for Fertilizer Analysis	15/06/2009	18/06/2009	04 days	Satisfactory
9	Use of Fertilizer Recommendation Guide	09/02/2009	11/02/2009	03 days	Satisfactory
10	Modern Rice Production Training Course	07/03/2017	09/03/2017	03 days	Satisfactory
11	Human Resource Management	24/02/2019	28/02/2019	05 days	Satisfactory
12	Financial and Procurement Management	14/09//2019	19/09/2019	06 days	Satisfactory
13	Agricultural Research Methodology	22/12/2019	26/12/2019	05 days	Satisfactory
14	Farming Systems Research and Development	29/12/2019	31/12/2019	03 days	Satisfactory
15	Innovation in Public Service	12/10/2020	13/10/2020	02 days	Satisfactory
16	Soil Health Management	27/12/2020	31/12/2020	05 days	Satisfactory
17	Use of Fertilizer Recommendation Guide 2018	22/03/2021	24/03/2021	03 days	Satisfactory
18	Training for Using High Throughput Phenotypic System for C4 Rice Research	06/06/2021	07/06/2021	02 days	Satisfactory
19	Climate Change, Carbon Sequestration and Adaptation Strategies	22/06/2021	24/06/2021	03 days	Satisfactory
20	Hybrid Rice Cultivation and Seed Production Technologies	25/05/2024	29/05/2024	05 days	Satisfactory
Abroad training					
1	Developing Integrated Nutrient Management Options for Delivery at Philippines	11/02/2002	01/03/2002	20 days	Satisfactory
2	40 th UNEP/UNESCO/BNU International Short Training Course on Environmental Management for Developing and Emerging Countries- Soil Management at Germany	21/11/2006	12/12/2006	22 days	Satisfactory

11. Experience:

Job Title	Joining Date	Ending Date	Institute
Scientific Officer	28/02/1999	07/02/2001	Rice Farming System Division, BRRI, Gazipur
Scientific Officer	08/02/2001	16/05/2009	Soil Science Division, BRRI, Gazipur
Senior Scientific Officer	17/05/2009	14/03/2015	Soil Science Division, BRRI, Gazipur
Senior Scientific Officer	15/03/2015	20/03/2018	BRRI R/S Habiganj
Senior Scientific Officer	21/03/2018	To date	Soil Science Division, BRRI, Gazipur

12. Performance:

A. Lists of Publications

a) Scientific Journals

14.	Publication(s):
No.	International and National (Full length paper)
1.	Rahman, F. , Md. Mizanur Rahman, G.K.M. Mustafizur Rahman, M.A. Saleque, A.T.M. S. Hossain and Md. Giashuddin Miah. 2016. Effect of organic and inorganic fertilizers and rice straw on carbon sequestration and soil fertility under rice-rice cropping pattern. Carbon Management.7(1-2): 41-53.
2	Rahman, F. , A.T.M. S. Hossain and M.R. Islam 2018.Integrated effects of poultry manures and chemical fertilizer on yield, nutrient balance and economics of wetland rice culture. Bangladesh Rice J. 22 (2): 71-77.
3.	Rahman, F. M.S.A. Talukder, A.T.M.S.Hossain, M.S. Islam and M.M. Rahman.2005. Effect of sowing time and population density on yield and nutritional qualities of garden pea. Int. J. Sustain. Agril. Tech.1 (6): 41-48.
4.	Rahman, F. , P.K.Saha, A.T.M. S. Hossain, M.S.A. Talukder and M.A.M. Miah. 2008. Effect of integrated nutrient management on yield and economics in Bushbean-T.Aus – T. Aman Cropping pattern. Intl. J. Bio. Res. 4(2): 21-27.
5.	Rahman, F. , A.T.M. S. Hossain, M Akter and R. Khanam. 2009. Effect of different aged poultry litter on growth, yield and economics of wetland boro rice. Eco-friendly Agril. J. 2(11): 920-925.
6.	Rahman, F. , A.T.M. S. Hossain and M R Islam. 2009. Nutrient and Heavy metal contents in poultry litter. Bangladesh Rice J. 14 (1&2): 113-118.
7.	Rahman, F. , A.T.M. S. Hossain, P.K.Saha and M.A.M. Miah. 2009. Effect of integrated use of organic manure and chemical fertilizers on yield, nutrient uptake and nutrient balance in the Bushbean-T.Aus – T. Aman Cropping pattern. Bangladesh J. Agril. Res. 34 (1): 157-164.
8.	Hossain, A.T.M.S., F. Rahman , M.S.A. Talukder and B.K. Sarkar.2005. Evaluation of leaf color chart based N- fertilizer management for MV rice in Faridpur region. Int. J. Sustain. Agril. Tech.1 (3): 11-19.
9.	Hossain, A.T.M.S., M.A. Saleque, F. Rahman , M.K. Uddin and S.K.Zaman. 2005. Carbon and nitrogen in rice soil after long term fertilizer and manure management. Int. J. Sustain. Agril. Tech. 1 (3): 29-37.

10.	Hossain, A.T.M.S., F. Rahman , P.K. Saha and A.R.M. Solaiman.2010. Effect of different aged poultry litter on the yield and nutrient balance in boro rice cultivation. Bangladesh J. of Agril. Res.35 (3):497-505.
11.	Hossain, A.T.M.S., F. Rahman , G.M. Panaullah and M.A. Saleque.2013. Fertilizer management for wheat crop in the Himalayan Piedmont soil. Bangladesh J. of Agril. Res.38 (2):241-246.
12.	Saha, P. K., M.A.M. Miah, A.T.M. S. Hossain, F. Rahman and M.A. Saleque. 2009. Contribution of rice straw to potassium supply in rice –fallow- rice cropping pattern. Bangladesh J. of Agril. Res.34 (4): 633-643.
13.	Islam, M. Sh., F.Rahman and A.T.M. S. Hossain. 2011. Effect of NPK Briquette on Rice (<i>Oryza sativa</i>) in Tidal Flooded Ecosystem. The Agriculturists.9 (1 and 2): 37-43.
14.	Talukder, M.S.A., F. Rahman , M.S. Islam and M.M. Hossain. 2005.Potentiality of seed production in some stem amaranthus (<i>Amaranthus tricolour</i> L.) cultivars at different plant spacing in kharif season. Int. J. Sustain. Agril. Tech.3 (2): 1-6
15.	Kabir, M.H., A. Saha, I.U. Mollah, M.S. Kabir and F. Rahman . 2008. Effect of crop establishment methods and weed management practices on the productivity of boro rice in lowland ecosystem. Intl. J. Bio. Res. 5 (2) : 42-51.
16.	Islam, S.M.M., A Khatun, F. Rahman , A.T.M.S. Hossain, U.A. Naher and M.A. Saleque.2015. Rice Response to Nitrogen in Tidal Flooded Non-Saline Soil. Bangladesh Rice J. 19 (2): 65-70.
17.	Islam, M. Sh., M.N.H. Mahmud, F. Rahman and M.A. Saleque.2013. Farmer’s participatory site specific nutrient management in tidal flooded soil for high yielding Aus rice. Bangladesh Rice J. 17 (1 &2): 1-5.
18.	Saha, P.K., F. Rahman , M. Akter, R. Islam, A.T.M.S. Hossain and M.G. Ali. 2016. Integrated nutrient management for Potato-Maize-T. Aman rice cropping pattern. Bangladesh Rice J. 20 (1): 51-58
19.	Hossain, A.T.M.S., F. Rahman and P. K. Saha.2018. Performance of prilled urea and urea super granule by applicators on yield and nitrogen use efficiency in Boro rice. Bangladesh Rice J. 22 (2): 63-69.
20.	Islam, M. Sh., F. Rahman and M.A. Saleque.2010. Organic manuring: its effect on rice yield and soil properties in tidal flooded ecosystem of Bangladesh. Bull. Inst. Trop. Agr., Kyushu Univ. 33: 13-17.
21	Hossain, A.T.M.S., F. Rahman , M. S. Rahman, M. Khatun and P.K. Saha.2021. Effect of fertilizer management on carbon sequestration and soil fertility under rice-rice cropping pattern. (Paper has been accepted in Bangladesh Rice Journal).
22	Rahman, F. , A.T.M. S. Hossain and A.S.M. Masduzzaman. 2021. Yield Maximizing of Single Cropped Boro Rice Through Integrated Nutrient Management in Haor Area. (Paper has been accepted in Bangladesh Rice Journal).
	Short Communication
1.	Naher, U.A., F. Rahman, S. M.M. Islam, M.I.U. Sarker and J.C. Biswas.2015. Isolation of Arsenic Oxidizing-reducing bacteria and reclamation of As (iii) in <i>in vitro</i> condition. Bangladesh Rice J. 19(2): 99-101.

Books/ Poster	
1.	Miah, M.A.M., M.R. Islam, U.A. Naher, A.T.M.S. Hossain, F. Rahman and H.M. Khaled. 2005. Nutrient deficiency symptoms in rice plants and its remedies. Soil science division, BRRI, Gazipur and SFFP project, Khamarbari, Farm gate, Dhaka.
2.	Naher, U.A., F.Rahman, H.M. Khaled, A.L. Shah and M.A.M. Miah. 2008. Dhan gache pusti upadaner ovab u adhikko jonito lakshman. Soil Science Division, BRRI, Gazipur.(poster)
3	Naher, U.A., A.T.M. S. Hossain, F. Rahman. , M M Haque., M Akter., M Iqbal., M N Islam., M M Rana., R Sultana., R Akter., A A Rim., A Islam and R Islam. 2024. Handbook on Environment Friendly Fertilizer Management in rice Production. SANH project. Soil Science Division, BRRI, Gazipur.
Seminar and leaflet	
1.	Rahman. F. , U.A. Naher, A.T.M. S. Hossain, M.A. Saleque and M.A.M. Miah.2005. Changes in humic acid type in cowdung and poultry manure amended wetland soils. Abstract has been received for the 9 th international symposium on Biogeochemistry of wetlands. 20-23 March 2005, Louisiana, USA.
2.	Rahman, F. , Md. Mizanur Rahman, G.K.M. Mustafizur Rahman and M.A. Saleque.2014. Effect of different organic manures and chemical fertilizers on carbon sequestration in soil under rice-rice cropping pattern. Paper presented at BRRI Thursday Seminar, 29 May, 2014.
3.	Saha. P. K., A. T. M. S. Hossain, F. Rahman , M.A. Saleque and M. A. M. Miah.2003. Integrated nutrient management for rice based cropping system. Paper presented at BRRI Thursday Seminar, 25 September, 2003.
4.	Naher, U.A., F. Rahman. , M.A. Saleque and M.A.M. Miah.2005. Carbon and nitrogen mineralization of cowdung and poultry manure amended soil under anaerobic condition. Abstract has been received for the 9 th international symposium on Biogeochemistry of wetlands. 20-23 March 2005, Louisiana, USA.
5.	Saha. P. K., R.Islam, F. Rahman and M. A. M. Miah.2007.Response of three BRRI Boro varieties/lines to added nitrogen at Cumilla. Paper presented at BRRI Thursday Seminar, 10 May, 2007.
6.	Saleque, M.A., F. Rahman and A. Khatun. 2007.Growth and nutrition of BRRI dhan29 in tidal flooded soil. Paper presented at BRRI Thursday Seminar, 5 April, 2007.
7.	Naher,U.A., F. Rahman. S.Akter, M.A. Saleque and M.A.M.Miah.2005.Isolation and identification of indigenous potential filamentous fungi and determination rate of composting. Paper presented at BRRI Thursday Seminar, 21 April, 2005.
8.	Hossain, A.T.M.S., F. Rahman , M.A.M. Miah and A.R.M. Solaiman.2008. Decomposition time of poultry litter and its effect on wetland rice. Paper presented at BRRI Thursday Seminar, 19 June, 2008.
9	Hossain, A.T.M.S., F. Rahman , M.A.Saleque and M.J.A Miah.2018. Dynamics of phosphorus in soil profile and its availability in soil. Paper presented at BRRI Thursday Seminar, 29 November.2018
10	Islam, A., M Iqbal, S.M.M. Islam, F. Rahman. , M N Islam, P L C Paul, A.T.M.S Hossain , 2023. Fertilizer application considerations in rice cultivation. Bangladesh Rice Research Institute, Publication no. 371.BRRI, Gazipur-1701.
11	Iqbal, M., Islam, S.M.M., F. Rahman. , Islam, M.N., Hossain, A.T.M.S., Paul, P.L.C., Islam, A., 2023. Importance and management of urea fertilizer in rice cultivation. Bangladesh Rice Research Institute, Publication no. 369.BRRI, Gazipur-

		1701.
	12	Hossain, A.T.M.S., F. Rahman , M., Islam, S.M.M., F. Rahman. , Paul, P.L.C. and A Islam.. 2023. Importance and management of phosphate fertilizer in rice cultivation. Bangladesh Rice Research Institute, Publication no. 368.BRRI, Gazipur-1701
	13	Naher,U.A., F. Rahman. , A.T.M. S. Hossain and M R Islam. 2019. Balanced fertilization for soil fertility and more production. Bangladesh Rice Research Institute, Publication no. 287.BRRI, Gazipur-1701
	14	Rahman. F. , A.T.M. S. Hossain and M R Islam. 2019.Fertilizer management for Boro rice cultivation. Bangladesh Rice Research Institute, Gazipur-1701

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