

CURRICULUM VITAE

1. Personal information

Name : **MUHAMMAD SAJIDUR RAHMAN**
Father's name : Muhammad Mahbubur Rahman
Mother's name : Late Munira Rahman
Date of birth : January 01, 1974
Nationality : Bangladeshi
Employment : Principal Scientific Officer
Soil Science Division
Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh
Present address : Principal Scientific Officer
Soil Science Division
Bangladesh Rice Research Institute, Gazipur 1701, Bangladesh
Telephone (Office) : +88 02 9257401-5 Ext.312; Cell: 01199148540
Email : sajidbrri@gmail.com, shazidur.soil@bri.gov.bd
Permanent address : 22/6 Umesh Dutta Road, Bakshi bazar, Chawk bazar, Dhaka 1211,
Bangladesh

2. Educational qualification

Degree	Education Board/ University	Year	Major	Division/ Class
Secondary School Certificate	Dhaka	1989	Science	First
Higher Secondary Certificate	Dhaka	1991	Science	First
B. Sc. (Honours)	Dhaka University	1995	Soil Science	First
M. Sc. (Thesis group)	Dhaka University	1996	Soil Science	First

3. Job experiences and qualification

3.1 Employment:

Designation	Duration	Department	Organization
Research Officer	January, 1998 to May, 2000	Department of Soil, Water and Environment	Dhaka University, Dhaka
Research Officer	July, 2000 to Dec., 2000	Department of Soil, Water and Environment	Dhaka University, Dhaka
Senior Scientific Officer	July 28, 2002 to Dec. 2014	Soil Science Division	Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh
Principal Scientific Officer	Dec., 2014 to date	Soil Science Division	Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh

3.2 Area of research:

Soil Science, Rice plant nutrition, Arsenic contamination.

3.3 Association to major projects

- a. Impact of Arsenic Contamination on Agricultural Sustainability and Food Quality (USAID funded) jointly executed by BRRI, Cornell University, Texas A&M University and CIMMYT Bangladesh (Working Scientist: October 2002-June 2005).
- b. Coordinated Project on Arsenic in Soil-Water-Plant Systems (co-ordinated by Bangladesh Agricultural Research Council, Ministry of Agriculture, Govt. of Bangladesh: Principal Investigator May, 2011-June 2012).

4 Other related information

4.1 Membership

- Life member, Soil Science Society of Bangladesh.
- Member, Bangladesh Association for Advancement of Science (BAAS).
- Member, EDAPHOS- Ex-Students' Association of Dept. of Soil Science, DU.

4.2 Language skill: Bangla: Mother tongue; English: Good (IELTS Band total: 7.0)

5 Training information:

Training Title	Date	Organizer	Venue
Trace metal analysis and atomic absorption spectroscopy	09-10 Nov., 2002	Department of Soil, Water and Environment, Dhaka University & ACIAR-Australia	Dhaka University, Dhaka, Bangladesh
Specialized training on Arsenic contamination and mitigation	18-23 Dec., 2004	International Training Network (ITN), BUET, Dhaka.	BUET, Dhaka.
Use and maintenance of UV/VIS and infra-red Spectrophotometer	10-15 Nov., 2007	Network of Instrument Technical Personnel and User Scientists Bangladesh (NITUB), Department of Chemistry, Dhaka University	Department of Chemistry, Dhaka University, Dhaka
Use of Fertilizer Inspection Manual	02-04 June, 2008	Bangladesh Agricultural Research Council (BARC)	BARC, Dhaka
Foundation Training Course for NARS Scientists (Batch-19)	27 Jan.-24 May, 2009	Bangladesh Agricultural Research Council	BARD, Comilla
The use of CHNS/O Elemental Analyzer	07-09 October 2009	Exeter Analytical Lab	Exeter Analytical Lab, Coventry, United Kingdom
One Month Rice Production Training Course	21 March-19 April, 2010	BRRI	BRRI, Gazipur
Soil Fertility and Fertilizer Management for Crops and Cropping Patterns	2012	Bangladesh Agricultural Research Council (BARC)	BARC, Dhaka

5.2 Participated In-Country International Workshop/Conference:

Title	Date	Venue	Organizer
International conference on Understanding Arsenic Behaviour in Aquifer, Soils and Plants: Implications for Management	16-18 Jan., 2005	Dhaka	CIMMYT, Cornell University, Texas A&M University, USGS, GSB
International workshop on Balanced fertilization for increasing and sustaining crop production	30 Mar-01 Apr. 2008	Dhaka	Internaitonal Potash Institute.

6 Publications:

6.1 Scientific Journals (11):

MS Rahman and GH Rashid. 2002. Nitrogen Mineralization at Different Moisture Levels in Soils under Wheat-Rice Cropping Systems. *Comm. Soil Sci. Plant. Anal.* 33: 1363-1374.

M.S. Rahman, MAM Miah, ZU Ahmed, HM Khaled and G.H. Rashid. 2005. Spatial variability of Arsenic in soil and rice in an arsenic contaminated area of Bangladesh. *Dhaka Univ. J. Biol. Sci.* 14 (1):81-90.

MS Rahman, MAM Miah, MA Aziz, MH Rashid and ZU Ahmed. 2005. Spatial variability of pH, organic matter and micronutrients in paddy soils. *J. Sci. Foundation.* 3:137-145.

R Mahmud, N Inoue, S Kasajima, M Kato, R Shaheen, MAM Miah and **MS Rahman**. 2006. Response of common buckwheat and castor oil plant against different levels of soil arsenic concentration: A comparative study. *Fagopyrum* 23: 45-51.

R Mahmud, N Inoue, and **MS Rahman**. 2007. Effect of soil arsenic on plant yield and arsenic accumulation, and arsenic and phosphorus distribution in buckwheat and castor oil plant. *Fagopyrum* 24: 33-39.

AL Shah, **MS Rahman** and MA Aziz. 2008. Outlook for fertilizer consumption and food production in Bangladesh. *Bangladesh J. Agric. and Environ.* 4 (Special Issue): 9-26.

PK Saha, MAM Miah, **MS Rahman** and A Islam. 2008. Release pattern of NH_4^+ -N from prilled urea and urea super granule under wetland rice cultivation. *Bangladesh J. Agril. Res.* 33: 271-276.

MAM Miah, ZU Ahmed, **MS Rahman**, HM Khaled, GM Panaullah, RH Loeppert, JM Duxbury and CA Meisner. 2008. Assessment of the impact of arsenic containing irrigation water on soil contamination and plant uptake. *Bang. J. Sci. Res.* 21: 35-41.

M. S. Rahman, A.L. Shah, M. Ishaque and **M.S. Rahman**. 2010. Mineralogical Composition of Bangladesh Rice Research Institute Farm Soils. *Bang. Rice J.* 15: 7-15.

M. S. Rahman, M. A. Mazid Miah, H. M. Khaled, A. Islam and G. M. Panaullah. 2010. Arsenic Concentration in Ground Water, Soils And Irrigated Rice in South-Western Bangladesh. *Comm. Soil Sci. Plant Anal.* 41: 1889–1895.

M S Rahman, MN Islam, M Z Hassan, SA Islam and SK Zaman. 2014. Impact of water management on the arsenic content of rice grain and cultivated soil in an Arsenic contaminated area of Bangladesh. *J. Environ. Sci. Nat. Res.* 7: 43-46.

6.2 Abstracts/ extended abstracts in Conference proceedings (8):

MAM Miah, MA Islam, ZU Ahmed, **MS Rahman** and HM Khaled. Fractionation and availability of arsenic in soils irrigated with arsenic contaminated ground water. *Proc. 7th International Conference on the Biogeochemistry of Trace Elements (ICOBTE)*. Uppsala, Sweden. June 15-19, 2003. pp. 94-95.

MAM Miah, ZU Ahmed, **MS Rahman**, HM Khaled, GM Panaullah, RH Loeppert, JM Duxbury and CA Meisner. Spatial variability of arsenic in soil and rice irrigated with high arsenic content shallow tube well water. *Proc. 10th International congress of Soil Science*, Sindh Agricultural University, Tendojam, Pakistan. March 16-19. 2004. pp. 37.

MAM Miah, ZU Ahmed, **M.S. Rahman**, HM Khaled, GM Panaullah, RH Loeppert, JM Duxbury and CA Meisner. 2004. Assessment of the impact of arsenic containing irrigation water on soil contamination and plant uptake. *Bangladesh Proc. 4th International Crop Science Congress*. Brisbane, Australia, Sept 26- Oct. 1, 2004.

M. S. Rahman, H. M. Khaled, A. Islam, M.A.M. Miah, G.M. Panaullah , R. H. Loeppert, J. M. Duxbury and C. A. Meisner. 2005. Arsenic concentrations in water, soil and crops of South-western Bangladesh. *Proc. 8th International Conference on the Biogeochemistry of Trace Elements (ICOBTE)*, Adelaide, Australia, April 3-7, 2005.

H. M. Khaled, **M. S. Rahman**, M. A. Mazid Miah and G. M. Panaullah. Vertical distribution of soil arsenic and some selected properties in a rice field irrigated with As-contaminated water. *Proc. 8th International Conference on the Biogeochemistry of Trace Elements (ICOBTE)*, Adelaide, Australia, April 3-7, 2005.

MAM Miah, **MS Rahman**, A Islam, DNR Paul, ATM Farid, M Jahiruddin, MA Sattar, GM Panaullah, CA Meisner, RH Loeppert and JM Duxbury. 2005. Nationwide Survey of Arsenic in Soils, Water and Crops in Bangladesh. *Proc. Int. Symposium on Behaviour of Arsenic in Aquifers, Soils and Plants: Implications for Management*. Dhaka, Bangladesh. January 16-18, 2005.

MS Rahman and A Islam. 2010. Arsenic problem and challenges for mitigation. *Proc. Research Review and Program Planning Workshop of Soils Program of NARS Institutes (held in 2009)*. BARC, Dhaka.

MS Rahman, M. Akter, SMM Islam, PK Saha and AL Shah. 2011 . Effect of continuous wetland intensive rice cropping on soil fertility and productivity. *Proc. Research Review and Program Planning Workshop of Soils Program of NARS Institutes (held in 2010)*. BARC, Dhaka.

6.3 Dissertation

M. S. Rahman. 2000. Effects of cropping systems on the mineralization of carbon and nitrogen in soils from Sonatala series. Department of Soil, Water and Environment, Dhaka University, Dhaka, Bangladesh. M. Sc. Thesis.