Curriculum Vitae(CV)
of
Prof. Dr. G K M Mustafizur Rahman
Specialization: Environmental Soil Science

Personal Details

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Biography

2008 - date	Professor of Environmental Soil Science, Department of Soil Science, BSMRAU
2004 - 2008	Associate Professor, Department of Soil Science, BSMRAU
1997- 2004	Senior Scientific Officer, Bangladesh Institute of Nuclear Agriculture (BINA)
1990-1997	Scientific Officer, BINA
Feb 2015 – March 2015	Invited Research Fellow as Biogeochemist in King Abdul Aziz City for Science & Technology, Riyadh, Saudi Arabia
Nov 2013 – May 2014	Senior Research Fellow as a Visiting Professorship Through Chinese Academic of Science(CAS) Fellowship: Research Topic on ENVIRONMENTAL SOIL MICROBILOGY:"**Biogeography of microbial community in arsenic contaminated and uncontaminated paddy soils of Bangladesh"**
March 2000-June 2000	Post Doctoral Research in Pesticide Bound Residues Mechanisms in Soils, Chiba University, Japan.
Oct 1995 – March 2000	Ph.D., Pesticide Toxicology (Pesticide Bound Residues mechanisms in Soil)' Chiba University, Japan Courses enrolled in Ph.D. Degree: (i) Soil Management, (ii) Environmental Dynamics of Pesticides, (iii) Biodynamic, (iv)

	Environmental Soil Science, (v) Plant Mineral Nutrition, (vi) Topics in Pesticide Toxicology, (vii) Ecological Analysis of Plant Resources, and (viii) Green Space Reclamation Engineering
1992-1993	M.Sc. Agriculture in Soil Science, Bangladesh Agricultural University (BAU). Courses enrolled in MS Degree: (i) Soil Chemistry, (ii) Soil Physics, (iii) Soil Microbiology, (iv) Soil Survey & Classification, (v) Soil Conservation, (vi) Soil Fertility and Management,
1982-1985	Bachelor of Science in Agriculture (Hons.), Bangladesh Agricultural University (BAU)

Expert/consultant services

Nov 2011 – April 2014	Served as a part-time soil health environment expert in the project entitled "Rice production in drought areas of Bangladesh" funded by KGF/BARC/World Bank
Jan 2011 – Aug 2011	worked as an arsenic consultant in the IRRI arsenic project in IRRI Bangladesh office funded by IFAD

Language Proficiency

English:	Excellent in reading, writing and speaking
Bengali:	Excellent in reading, writing and speaking (Mother Tongue)
Japanese:	Very good in speaking, average at reading and writing
Arabic:	Very good in reading, moderate in writing and speaking

Research interest

Current Research activities are focused on climate change and environmental pollution –

- Biogeochemistry of arsenic and heavy metals in soil-water-plant system and their possible mitigation
- Industrial wastes, urban wastes, household wastes and other organic pollutants assessment and management
- Spatial distribution of salinity in coastal soils of Bangladesh and adaptive researches for better crop production
- Impact of climate change on land degradation, agriculture and adaptive researches for vulnerable areas
- Adaptation of improved soil management practices in the degraded soils of Bangladesh.

Recognition and Awards

- International Atomic Energy Agency (IAEA) Assistantship: Training Course on "The Use of Isotope and Radiation Techniques in Studies of Soil/Plant Relationships with Emphasis on Crop Production on Acids Soils" March 6 to April 7, 1995. Department of Agriculture, Bangkok, Thailand (conducted and funded by IAEA, Vienna, Austria)
- Monboshu Scholarship for Ph.D. degree in Chiba University of Japan
- Japan Analytical Chemistry Consultant Co., Ltd. (JACC) offered Special Post-doctoral fellow on "pesticide and heavy metal in the environment" May 16 to 31, 2000
- Awarded a fund from Laboratory of Pesticide Toxicology, Faculty of Horticulture, Chiba University, Japan, as a Post-doc research fellow(2000)
- Awarded as Chinese Academic of Science (CAS) Senior Research Fellow on Environmental Soil Microbiology: **"Biogeography of microbial community in arsenic contaminated and uncontaminated paddy soils of Bangladesh"** as a visiting professorship at Institute of Soil Science, Nanjing, China, funded by Chinese Academic of Sciences (CAS) from November, 2013 to April 2014.
- Awarded as Invited research fellow, King Abdul Aziz City for Science & Technology (KACST), Saudi Arabia, on "Biogeochemistry" funded by KACST fellowship from February 2015 to March 2015.

Research Experience (area of experience and duration):

(a) In Bangladesh:

Phosphorus chemistry, plant nutrition, integrated nutrient management and soil health researches were conducted at Bangladesh Institute of Nuclear Agriculture (BINA) as scientific officer/senior scientific officer using traditional and tracer techniques from May 1990 to May 2004.

Thereafter, the responsibilities carried out as a professor/associate professor of Department of Soil Science, Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Bangladesh, has been described below into three sections: teaching, researches and services.

Teaching:

Lectures have been conducting on Soil Chemistry and Environmental Pollution Chemistry in the following courses for undergraduate and postgraduate students at the Department of Soil Science of BSMRAU since 2004 (medium of instruction is in English):

- SSC 501 Soil Chemistry
- SSC 601 Advanced Soil Chemistry
- SSC 642 Environment and Soil Pollution
- SSC 165 Soil Chemistry for undergraduate students

Research:

Responsible for designing, planning, executing and supervising the researches on soil health, biogeochemistry on arsenic & heavy metal, industrial waste pollution assessment & management, carbon sequestration, adaptive research for climate change and saline soils etc. as principal investigator/project leader/project director funded by different national/international donor like CIDA, USAID, TWAS, USDA, DANIDA, KGF/World Bank, BARC, MOA & MOE of Bangladesh etc. at the department soil science of BSMRAU since 2004. Moreover, supervising graduate students research and already supervised almost 16 Ph. D and 26 M.S students researches as major professor/research supervisor/advisory committee member, their dissertation research mainly on soil health, integrated nutrient management, trace elements and heavy metals in soil-plant relationship through industrial effluents or other sources of contamination, pesticides and arsenic pollution, carbon sequestration, climate change impact etc.

Moreover some advanced researches conducted in abroad are briefed below:

a. A collaborative research on "Biogeochemistry and Geomicrobiology" as visiting researcher funded by King Abdul Aziz City for Science and Technology (KACST), Saudi Arabia from Feb 1 to March 31, 2015.
b. A collaborative research on "Biogeography of microbial community in arsenic contaminated and uncontaminated paddy soils of Bangladesh" as a visiting professorship funded by Chinese Academic of Sciences (CAS) fellowship from November, 2013 to April 2014.
c. Research project meeting and compiling the research finding under "Food for Progress in Bangladesh, USDA-Cornell project" on June 7- 21, 2013 with Prof. John M Duxbury, at the Department Crop and Soil Science, Cornell University, USA.
d. Two special training on heavy mental, pesticides, arsenic analysis using tracer and conventional techniques at Thailand (funded by, IAEA, 1995) and Japan (JACC Ltd, 2000).
e. Worked on pesticide bound residues studies in soil-plant system from October 1995 to March 2000 as Ph. D. dissertation research fellow, while from April to June 2000 as post-doctoral research fellow in the Lab of Pesticide Toxicology, Chiba University, Japan.

Research Grants Received as Project Leader

2015-2018	"Adaptation of Improved Soil Fertility Management Practices for Variable Soil Conditions under Intensively Cropping Systems" Funded by KGF/World Bank
2014	"Quantifying System T. Aman and Wheat Yield Gap in the Rice-Wheat Cropping System in Bangladesh" Funded by CIMMYT
2014-2016	"Pollution Assessment of Industrial wastes and Management Strategies for Food Security" Funded by BENBEIS, Ministry of Education of Bangladesh
2011-2014	"Rice Production in Drought Areas of Bangladesh" funded by KGF/World Bank.
2010-2014	"USADA-Cornell University (USA) Food for Progress (FFP) in Bangladesh"- arsenic toxicity in soil-water-plant system and its possible mitigation; and liming for increasing crop production in Acid Soils of Bangladesh, Funded by USDA.

2012-2013 "Adverse Effect of Climate Change and Adaptive Researches for Vulnerable Areas in Bangladesh" Funded by DANIDA/PSU-PC.

2009–2010 "Household Wastes Compost: It's Effects on Soil Fertility and Productivity for Vegetables Production in Monga Area of Bangladesh" Funded by KGF/BARC/ World Bank.

2008-2009 "Arsenic Contamination in Groundwater to Soil and Their Impacts on Agriculture of Bangladesh" Grant Agreement (RGA) No. 07-135 LDC/CHE/AS – UNESCO FR: 3240170581, Funded by TWAS.

2007-2008 "Toxic Metals Contamination in Soil and Crops Environment through Industrial Wastes at Gazipur District" Funded by Ministry of Science & Technology (MOST), Bangladesh.

2002-2005 "Impact of Arsenic Contamination on Agricultural Sustainability and Food Quality" Funded by USAID.

1991-1995 "Phosphorus Chemistry Research at the Soil Science Laboratory of BINA" Funded by CIDA/BARC.

Supervised graduate student's researches especially on environmental pollution and climate change as a major professor/research supervisor

- Arsenic contamination in soil-water-plant system and their possible mitigation
- Fate of pesticides in soil-plant relationship and their bioremediation
- Toxic metals contamination in soil-water-plant through industrial effluent and their management
- Impact of climate change on land degradation, agriculture and adaptive researches for vulnerable areas
- Spatial distribution of salinity in coastal soils of Bangladesh and adaptive researches for better crop production.

Teaching Responsibilities

Conducting lectures on Soil & Environmental Chemistry in the following courses for undergraduate and postgraduate students at the Department of Soil Science of BSMRAU (medium of instruction is in English):

- SSC 165 Soil Chemistry for undergraduate students
- SSC 501 Soil Chemistry for graduate students (MS & Ph.D.)
- SSC 601 Advanced Soil Chemistry for Ph.D. students
- SSC 642 Environment and Soil Pollution for graduate students

Development of Technologies/Scientific Information

- Developed easy handling and very cheap arsenic filter for drinking water poor peoples in the arsenic contaminated areas of Bangladesh (To be patented soon)
- Developed and updated lime technologies for the acid soil regions of Bangladesh for better crop production
- First time discovered arsenic tolerant rice varieties in Bangladesh (To be published in the international impact factor journal, an outstanding findings from a dissertation research supervised by GKM Mustafizur Rahman)
- Developed a technology on "House hold wastes compost for increasing vegetable production in CHAR AREAS (Sandy Soils) of Bangladesh"
- Developed a method to release bound chlorpyriphos residues from soil.
- Identified a new compound from garlic, which is responsible for repellent effect of stored grain insects using GC-MS.
- First time determined the Critical Level (C.L.) of phosphorus for wetland rice in Bangladesh.
- Contributed significantly in preparing "Thana Nirdeshika" (Thana land and soil resources utilization guide)

Carrier development and Training received

- Training course on "BCA database" March 12-13, 2005. Agril. Statistics Division, BRRI, Gazipur, Bangladesh
- Training course on "pesticide and heavy metal in the environment" May 16 to 31, 2000. Japan Analytical Chemistry Consultant Co., Ltd. (JACC), Japan.
- Training course on "Nuclear Agriculture" August 1 to 31, 1995. Bangladesh Institute of Nuclear Agriculture(BINA), Mymensingh, Bangladesh.
- An International Training Course on "The Use of Isotope and Radiation Techniques in Studies of Soil/Plant Relationships with Emphasis on Crop Production on Acids Soils" March 6 to April 7, 1995. Department of Agriculture, Bangkok, Thailand (conducted by IAEA, Vienna, Austria).
- Training course on "Use of Thana Land and Soil Resource Utilization Guide" January 8 to 11, 1995. Graduate Training Institute(GTI), Bangladesh Agricultural University(B AU), Mymensingh, Bangladesh.
- Training course on "Unified Methodology for Integrated Nutrient Management" July 10 to 16, 1993. Bangladesh Agricultural Research Council(BARC), Dhaka, Bangladesh.
- Training course on "The Use of Neutron Moisture Meter" July, 15 to 18, 1991. BARC, Dhaka, Bangladesh.

- Training course on "Research Planning and Evaluation" June 29 to July 13, 1991. BARC, Dhaka, Bangladesh.

External Responsibilities

June 2014 – to date	Member, Finance Committee, BSMRAU
Feb 2012—Jan 2014	Member, Planning Committee, BSMRAU
Oct 2004—to date	Managing Editor "Bangladesh Journal of Environmental Science & Natural Resources"
June 2004- todate	Expert member for soil and environmental related projects evaluation, Bangladesh Agricultural Research Council (BARC), Bangladesh
June 2004-todate	Expert member for soil and environmental related projects evaluation, University Grant Comission(UGC), Bangladesh
June 2004-todate	Expert member of the Open University of Bangladesh for curricula preparation on environmental pollution
March 2010—April 2012	Provost, Undergraduate Dormitory, Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Bangladesh
June 2004-June 2009	Member, Board of Studies (BOS), Department of Soil Science, Haji Muhammed Danish Science & Technology University, Bangladesh
Feb – Nov 2008	Chairman/Head, Department of Animal Science, BSMRAU
July 2004-July 2006	Chairman/Head, Department of Soil Science, BSMRAU
June 2001-June2004	Associate Editor, "Bangladesh Journal of Environmental Science"
June 2001-June 2002	Associate Editor, "BINASA News Letter", BINA, Bangladesh

Country visited

Australia, China, India, Japan, Malaysia, Saudi Arabia, Sweden, South Africa, Thailand, USA etc.

Recent invited as a speaker at international conferences

- "Influence of Flooding Landtype on Soil Arsenic Levels in Bangladesh." 12th International Conference on Biogeochemistry of Trace Elements (ICOBTE), June 16-20, 2013, Athens, University of Georgia, USA.

- "Soil & environmental pollution and their possible mitigation to ensure food security in Bangladesh" at the Department of Soil Science, September 19-20, 2012, University of Putra Malaysia, Malaysia.

- "Industrial Effluents Assessment and Management for Better Crop Production" Asian Food Security Association (AFSA) annual conferences at Rinku Campus of Osaka Prefecture University, Japan, September 15-17, 2012.

- "Arsenic Contamination in Groundwater to Soil and Their Impacts on Agriculture of Bangladesh." TWAS 11th General Conference & 20th General Meeting Durban, South Africa, 20-23 October 2009.

- "Distribution of Arsenic in Soil, Water and Rice Plant in a Macro-environment of the Command Area of a Shallow Tube Well." 8th International Conference on Biogeochemistry of Trace Elements (ICOBTE), April 3-7, 2005, Adelaide, Australia.

- "Arsenic in Irrigation Water in Five Thanas of Bangladesh. In: Behavior of Arsenic in Aquifers, Soils and Plants: Implications for Management." International Symposium on Behavior of Arsenic in aquifers, soils and Plants: Implication for Management. February 2005. Cornell-TAMU-CIMMYT-BGS, Dhaka, Bangladesh.

- "Impact of Soil Fe Oxide on Retention of Arsenic in Bangladesh Rice-Producing Soils." 7th International Conference on Biogeochemistry of Trace Elements (ICOBTE), June 15-19, 2003, Uppsala, Sweden.

- First Arsenic Science International Workshop of the USAID Funded Project "Impact of Arsenic Contamination on Agricultural Sustainability and Food Quality", June 2002. CIMMYT, Dhaka, Bangladesh.

- "Plant nutrient status of some selected soil series of Bangladesh." International Symposium on Importance of Potassium in Nutrient Management for Sustainable Crop Production, 3-5 December, 2001, New Delhi, India.

Association with learned bodies

- Senior member, Asia-Pacific Chemical, Biological& Environmental Engineering Society (APCBEES).
- Life member, Bangladesh Association for the Environmental Development (BAED)
- Life member, Bangladesh Association for the Advancement of Science
- Former member, Society of Environmental Toxicology and Chemistry (SETAC), USA
- Former member, Pesticide Science Society of Japan
- Life member, Horticulture Society of Bangladesh
- Member, Bangladesh Association for Biotechnology
- Life member, Krishibid Institute
- Life member, Japanese Universities Alumni Association in Bangladesh (JUAAB)

Publications of Prof. Dr. G K M Mustafizur Rahman
(Total Impact points: 27.922 on 30/09/2015)

2015

1. M. H. Kabir, **G. K. M. M. Rahman*,** Z. U. Ahmed, M. M. Rahman and M. M. Rahman. 2015 Spatial Variability of Rice Grain Arsenic in Confined and Unconfined Basins of Ganges River Floodplain Soils of Bangladesh J. Environ. Sci. & Natural Resources, 8(2): 47-51. (*Corresponding Authour)

2. Fahmida Rahman, Md. Mizanur Rahman, **G.K.M. Mustafizur Rahman,** M.A. Saleque, A.T.M. Sakhawat Hossain and Md. Giashuddin Miah. 2015. Effect of organic and inorganic fertilizers and rice straw on carbon sequestration and soil fertility under rice-rice cropping pattern. Carbon Management. Accepted for publication. **Taylor & Francis, (Impact points: 1.722)**

3. Md. Mazadul Islam, M. Mofazzal Hossain, Mohammad Zakaria, **G. K. M. Mustafizur Rahman,** Afroz Naznin and Sirajum Munira. 2015. Effect of Industrial Effluents on Germination of Summer Leafy Vegetables. Int. Res. J. Earth Sci.Vol. 3(6), 16-23. Available online at: www.isca.in, www.isca.me

4. M Rafiqul Islam, **G K M Mustafizur Rahman**, A J M Sirajul Karim, M Giasuddin Miah and M Abu Saleque. 2015. Quality Assessment of Different Industrial Effluents for Irrigation in Agriculture. Journal of Earth Science and Engineering 5 (2015) 134-145. doi: 10.17265/2159-581X/2015. 02. 006. **David Publishing.**

5. S.M.S. Abedin, M.A. Mannan, **G.K.M.M. Rahman** and A.J. Mridha. 2015. Growth and Yield Performance of Tidal Aman Rice as Influenced by USG Application at Non Tidal Condition. Bangladesh Agron. J. 18(1): 71-80

6. M.M. Rahman, M. Sultana, **G.K.M.M. Rahman,** A.R.M. Solaiman and M.S. Alam. 2015. Effect of different organic composts on soil fertility and tomato yield. Bangladesh Journal of Soil Science. 37(1), 25-34.

7. M. S. Alam, A.R.M. Solaiman, **G.K.M.M. Rahman,** M.M. Rahman and M.M. Islam, 2015. Evaluation Rhizobium isolates in terms of nodulation, growth and yield of Chickpea. Bangladesh Journal of Soil Science. 37(1), 35-45.

2014

1. M Anwar Hossain, **G.K.M.M. Rahman,** M.M. Rahman, A.H. Molla, M Mostafizur Rahman, M Khabir Uddin. 2014. Impact of industrial effluent on growth and yield of rice (*Oriza sativa* L.) in silty clay loam soil. Journal of Environmental Science. Journal of Environmental Sciences 02/2015; DOI: 10.1016/j.jes.2014.10.008 **(Impact points: 1.92)**

2. **G.K.M.M. Rahman,** M.S.I. Afrad and M.M. Rahman. 2014. Status of Compost Usage and Its Performance on Vegetable Production in Monga Areas of Bangladesh Int. J. Agril. Res. Innov. & Tech. 4 (2): 22-28, Available online at http://www.ijarit.webs.com

3. M.M. Rahman, **G.K.M.M. Rahman,** M.S.I. Afrad and S. Islam. 2014. Effect of Organic Compost in Red Amaranth and Spinach Productivity and Soil Fertility. J. Environ. Sci & Natural Resources, 7(2): 1-6.

2013

1. M. M. Rahman, **G. K. M. M. Rahman** and M. S. I. Afrad. 2013. Effect of Household Waste and Chemical Fertilizers on the Yield of Red Amaranth, Indian Spinach and Tomato. Ann. Bangladesh Agric. 17 (1& 2): 121-133
2. Md. Shahid Sarwar, Mohammad Safiqul Islam, Salma Ahmed, Mohd. Shahid Ullah, Humayun Kabir, **G K M Mustafizur Rahman**, Abul Hasnat & Mohammad Safiqul Islam. Comparative Study with Serum Zinc, Copper, Manganese & Iron in Preeclamptic Pregnant Women. Biological Trace Element Research. Vol. 154 (1): 14-20 (2013). DOI 10.1007/s12011-013-9721-9. **Springer, USA (Impact points: 1.61)**
3. Md. Rezaul Islam, Mizbha Uddin Ahmed, Shahida Akter Mitu, Mohammad Safiqul Islam, **G K M Mustafizur Rahman,** M. M. A. Shalahuddin Qusar, Abul Hasnat. 2013. Comparative Analysis of Serum Zinc, Copper, Manganese, Iron, Calcium, and Magnesium Level and Complexity of Interelement Relations in Generalized Anxiety Disorder Patients. Biological Trace Element Research. Vol. 154 (1): 21-27 (2013). DOI: 10.1007/s12011-013-9723-7. **Springer, USA (Impact points: 1.61)**
4. M. M. Rahman, **G K M Mustafizur Rahman** and M.S.I. Afrad. 2013. Effect of Household Waste and Chemical Fertilizers on the Yield of Red Amaranth, Indian Spinach and Tomato. Ann. Bangladesh Agric. 17 (1 & 7): 121 – 133.

2012

1. M. R. Islam, Hugh Brammer, **G K M Mustafizur Rahman**, Andrea Raab, M. Jahiruddin, A. R. M. Solaiman, Andrew A. Meharg and Gareth J. Norton. 2012. Arsenic in Rice Grown in Low-Arsenic Environments in Bangladesh. Water Qual Wxpo Health. Volume 4: 197-208. DOI:10.1007/s12403-012-0079-6. **Springer, USA**
2. **Golum Kibria Muhammad Mustafizur Rahman**, Zebunnesa, Mohammad Rafiqul Islam, Mohammad Mizanur Rahman and Abdul Mannan Akanda. 2012. Industrial Effluents Assessment and Management for Better Crop Production. Journal of Food Science and Engineering 2 (9) 483. **Dabid Publishing, USA**
3. Hasanuzzaman Shohag, Ashik Ullah, Shalahuddin Qusar, **Mustafizur Rahman** and Abul Hasnat. 2012. Alterations of serum zinc, copper, manganese, iron, calcium and magnesium concentrations and the complexity of interelement relations in patients with obsessive-Compulsive Disorder. Biological Trace Element Research. Volume 148: 275-280. DOI:10.1007/s12011-012-9371-3. **Springer, USA (Impact points: 1.61)**

2011

1. M. A. Rauf, M. A. Hakim, M. M. Hanafi, M. M. Islam, **G. K. M. M. Rahman**, G. M. Panaullah. Bioaccumulation of arsenic (As) and phosphorous by transplanting Aman rice in arsenic-contaminated clay soils. 2011. Australian Journal of Crop Science. 5(12): 1678-1684. **[Australia] (Impact points: 1.63)**

2. Muhammad Shahdaat Bin Sayeed, Abdullah Al Maruf, Maizbah Uddin Ahmed, **G.K.M. Mustafizur Rahman,** Abul Hasnat, Md. Ashik Ullah and Md. Hasanuzzaman Shohag. 2011. Evaluation of serum Trace Elements in Bangladeshi Dockyard Labourers. J. Phamacy Res. 4(12), 4390-4392.

3. K. S. Afrin, M. S. I. Afrad, M. E. Haque, M. A. Hossain and **G. K. M. M. Rahman**. 2011. Impact of industrial wastes on soil and water. Ann. Bangladesh Agric. 15 (1 & 2):47-58. **[Bangladesh]**

4. Md. Sarwarul Haque, A.R.M. Solaiman, A.J.M.Sirajul Karim, **G K M Mustafizur Rahman** and Md. Abdul Karim. 2011. Effect of organic manures on growth, yield and nutrient uptake in maize. Bangladesh J. Sci. Res. 24(2): 135-144. [**Bangladesh**]

5. Md. Atikur Rahman, A.R.M. Solaiman, and **G K M Mustafizur Rahman**. 2011. Effect of nutrient solution on quality of Okra. Bangladesh J. Sci. Res. 24(2): 155-160. [**Bangladesh**]

2010

1. Ashrafi R., Biswas M.H.R., **GKM Mustafizur Rahman**, Khatun R., and Islam M.R. 2010. Effect of Organic Manure on Nutrient Contents of Rice Grown in an Arsenic Contaminated Soil. Bangladesh J. Sci. Ind. Res. 45(3), 183-188. DOI:10.3329/bjsir.v45i3.6526 (Available online at www.banglajol.info). **[Bangladesh**]

2. Naushin Haider, Mohammad Safiqul Islam, Abdullah Al Maruf, Md. Hasanuzzaman Shohag, Rubaiya Ali, **G.K.M. Mustafizur Rahman** and Abul Hasnat. 2010. Oxidative Stress and Antioxidant Status in Vitiligo Patients. Dhaka University Journal of Pharmaceutical Sciences 01/2010; 9(2):103-108. DOI:10.3329/dujps.v9i2.7894 **(Impact points: 0.18)**

3. Hossain, M.A., Uddin, M.K., Molla, A.H., Afrad, M.S.I., Rahman, M.M. and **G.K.M.M. Rahman,** 2010. Impact of Industrial Effluents Discharges on Degradation of Natural Resources and Threat to Food Security. The Agriculturists, 8(2), 80-87**. [Bangladesh]**

2009

1. Paul N. Williams, Shofiqul Islam, Rafiqul Islam, M. Jahiruddin, Eureka Adomako, A. R. M. Soliaman, **G. K. M. M. Rahman**, Ying Lu, Claire Deacon, Yong-Guan Zhu and Andrew A. Meharg. 2009. Arsenic Limits Trace Mineral Nutrition (Selenium, Zinc, and Nickel) in Bangladesh Rice Grain. Environmental Science & Technology. 43, 8430-8436. DOI:10.1021/es901825t**. [USA] (Impact points: 5.48)**

2. Lu Ying, Eureka E. Adomako, A.R.M. Solaiman, Rafiqul M. Islam, Claire Deacon, P.N. Williams, **G.K.M.M. Rahman** and Andrew A. Meharg. 2009. Baseline soil variation is a major factor in arsenic accumulation in Bengal Delta paddy rice. Environmental Science & Technology. 43 (6), 1724-1729. DOI:10.1016/j.envint.2008.07.010**. [USA] (Impact points: 5.48)**

3. Eureka E. Adomako, Solaiman, A.R.M., Paul N. Williams, Claire Deacon, **G. K. M. M. Rahman** and Andrew A. Meharg. 2009. Enhanced Transfer of Arsenic to Grain for Bangladesh Grown Rice Compared to US and EU. Environment International 35 (2009), 476-479. **doi: 10.1016/j.envint.2008.07.010. [USA] (Impact points: 5.66)**

4. Zebunnesa, Md. Mizanur Rahman and **GKM Mustafizur Rahman**, 2009. Accumulation of Trace Metals in Soils and Plants from Industrial Effluents. J. Environ. Sci & Natural Resources, 2(1), 211-214. **[Bangladesh]**

2008

1. M.A.B. Farooq Mia, **G.K.M.M. Rahman** and M.A Islam. 2008. Effect of Urea-N on Some Biochemical Parameters and Yield of Sesame. Progress. Agric. 18(1) : 75-84. **[Bangladesh]**

2. R.A. Khan, M. E. Haque, **G. K. M.M. Rahman** and M. S. I. Afrad. 2008. Effectiveness of Group Approach in Disseminating Farm Information to the Farmers. Bangladesh Journal of Extension Education, Volume 20, No. 1 & 2: 1-8. **[Bangladesh]**

2007

1. **G.K.M.M. Rahman,** R. Ashrafi and M.R. Islam. 2007. Effects of Organic Manures on Yield and Arsenic Content of Boro Rice. Bangladesh J. Environ. Sci. 13 (1):23-26. **[Bangladesh]**

2. R.. Khatun, M.M.R. Khan, **G.K.M.M. Rahman** and I.J. Shelley. 2007. Arsenic Status of Shallow Tube-Well at Faridpur Sadar Upazilla and Its Relationship with Other Plant Nutrients. Progress. Agric. 18(1) : 33-40. **[Bangladesh]**

3. **G.K.M. Mustafizur Rahman,** R.. Ashrafi, M.B. Hossain and M.L. Rahman. 2007. Response of T Aman Rice (*Oryza sativa L.*) to S, Mg, Zn, B, Mo and Organic Amendments in Tista Meander Floodplain Soil. A scientific J. of krishi foundation: The Agriculturists. 5(1&2) : 14-19. **[Bangladesh]**

4. U.S. Monira, M.Y. Miah, M.A.B. Mia and **G.K.M.M. Rahman,** 2007. Tomato Fruit Yield in Response to Organic Manuring. J. agric. educ. technol. 10 (1&2): 81-86. **[Bangladesh]**

5. M.A. Mia Baset, Akter Sanjida, A.H. Molla and **G.K.M. Mustafizur Rahman,**. 2007. Poultry Manure with Inorganic Nitrogen on Growth and Yield of Onion (*Allium cepa* L.). A scientific J. of krishi foundation: The Agriculturists. 5(1&2): 101-108. **[Bangladesh]**

2005

1. **G.K.M.M Rahman,** Panaullah, G.M., Loeppert, R.H., Duxbury, J.M., Meisner, C.M., Biswas, B.K.and ., Lauren, J.G. 2005. Distribution of Arsenic in Soil, Water and Rice Plant in a Macro-environment of the Command Area of a Shallow Tube Well. In: Arsenic in the environment: biology and chemistry. **Proc.** 8th International Conf. on Biogeochemistry of Trace Elements. Eds. Enzo Lombi *et al*. Pp 232-233. **[AUSTRALIA]**

2. Kabir, M.S., Paul, D.N.R., Miah, M.A.M., Farid, A.T.M., **G.K.M.M Rahman,** Jahiruddin, Panaullah, G.M. Loeppert, R.H., C.M., Duxbury, J.M. and Meisner, C.A. 2005. Spatial

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1. "Assessment of Traditional and Modern Technologies in Climatically Vulnerable Ecosystem and Development of Strategy for Combating Impact of Climate Change in Bangladesh". Outstanding Project findings. Funded by DANIDA and PSU-PC Bangladesh. 2013.
2. "Lime Technology for the Acid Soil Regions of Bangladesh". Outstanding Project findings. Published & funded by Food for Progress Program in Bangladesh, USDA, 2014.

Popular scientific articles in the Dailies/Magazines

- Published some popular articles on science and education in national dailies and magazines.

Media appearance

- Delivered some talks on different topics of environmental toxicology, soil health and pollution, educations etc. through different electronic media of Japan and Bangladesh.

Graduate students (current and graduated)

	Graduate students' supervised/supervising	MS/M.Phil	PhD
i)	Graduated (supervised as a major professor/research supervisor)	09	05
ii)	Graduated (supervised as a member)	18	11

iii)	Current (supervising as a major professor/research supervisor)	06	04
iv)	Current (supervising as a member)	06	01

Severed as a Major Professor/Research Supervisor of Graduate Students' Since 2002

Mosud Iqbal (2006-05-1694), PhD, Department of Soil Science, BSMRAU, September, 2015. "Response of Different Rice Varieties to Soil Arsenic".

Md. Rafiqul Islam (Reg. No. 96-11-497), PhD, Department of Soil Science, BSMRAU, September, 2012. "Study of Different Industrial Effluents on Soil Fertility and Rice Production"

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Md. Moniruzzaman (Reg. No. 06-05-1700), PhD, Department of Soil Science, BSMRAU, 2010. "Fate of Carbofuran in Soil-Brinjal Plant System".

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Reema Ashrafi, MS, Department of Soil Science, BAU, 2004. "Effects of organic manures on yield and arsenic uptake by boro-rice from an arsenic contaminated soil of Faridpur."

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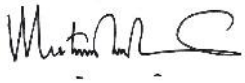

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