

Curriculum Vitae of Abu Zofar Md. Moslehuddin

Name: Dr. Abu Zofar Md. Moslehuddin

Nationality: Bangladeshi

Date of birth May 15, 1966

Marital status: Married

Professional address: Professor, Department of Soil Science,
Bangladesh Agricultural University, Mymensingh-2202, Bangladesh.

At present: IDB Post doctoral Fellow, Texas A & M University, College Station, TX, 77843-2474, USA. E-mail: abunazia@yahoo.com
(From August 2007 till July 2008)

Academic background:

Examinations/ Course attended	Year of passing	% Marks obtained	Division/Class, with positions, if any	Name of the institute
Secondary School Certificate	1981	72.6	First division	Joypurhat R B Govt High School
Higher Secondary Certificate	1983	74.4	First division	Rajshahi College
B.Sc.Ag. (Honors)	1987 (result in 1990)	68.3	First class, First position	Bangladesh Agricultural University
M.Sc. (Ag.) in Soil Science	1988 (result in 1994)	67.9	First class, First position	Bangladesh Agricultural University
Ph.D.	1998	-	-	Kyushu University, Japan

Subject taught at different level:

Level	Subject taught
SSC	Bengali, English, Physics, Chemistry, Biology, Mathematics, Elective Mathematics, Islamic studies
HSC	Bengali, English, Physics, Chemistry, Mathematics, Statistics
B Sc Ag (Hons)	<i>Theory and practical classes on:</i> Soil Science, Agronomy, Horticulture, Crop Botany, Agricultural Chemistry, Entomology, Plant Pathology, Genetics and Plant Breeding, Agricultural Extension Education, Biochemistry, Statistics, Animal Husbandry, Farm Mechanics, Botany, Zoology, Organic Chemistry and Physical & Analytical Chemistry <i>Theory classes on :</i> Agricultural Economics and Rural Sociology.
M Sc (Ag) in Soil Science	<i>Theory classes on:</i> Soil Physics, Soil Chemistry, Soil Mineralogy, Soil Fertility, Soil Microbiology, Soil Genesis, Soil Survey and Classification, Soils of Bangladesh, Design of Agricultural Experiment

Employment record:

Name of the institute	Position held	Duration
Bangladesh Agricultural University	Professor, Department of Soil Science	September 25, 2005 to date
Bangladesh Agricultural University	Associate Professor, Department of Soil Science	Nov. 25, 2000 to Sept. 24 2005
Bangladesh Agricultural University	Assistant Professor, Department of Soil Science	May 23, 1996 to Nov. 24, 2000
Bangladesh Agricultural University	Lecturer, Department of Soil Science	June 29, 1993 to May 22, 1996
Bangladesh Agricultural Research Institute	Scientific Officer, Soil Science Division	September 1, 1992 to June 28, 1993

Training:

Subject	Duration	Year	Institution	Sponsor
1. Teaching Methodology	2 weeks	1994	Graduate Training Institute	Bangladesh Agricultural University
2. International Scientific Instrument Technology Workshop	6 weeks	1994	Precision Institute Development Center, Taiwan	International Foundation for Science
3. Use of Thana Land and Soil Utilization Guide	4 days	1995	Graduate Training Institute, BAU	Bangladesh Agricultural University
4. Application of GIS in Agricultural Planning	2 months	1999	Bangladesh Agricultural Research Council, Dhaka	Bangladesh Agricultural Research Council, Dhaka
5. Computer Simulation for Crop Growth and Resource Management	2 weeks	2000	Bangladesh Agricultural Research Council, Dhaka	International Fertilizer Development Center
6. Workshop on Interactive Teaching and Learning Methods	6 days	2001	Dept of Agricultural Extension Education, BAU	University of Reading, UK
7. Project Cycle Management	5 days	2005	Graduate Training Institute, BAU	Bangladesh Agricultural University

Academic Awards:

Prize & Honours	Institutions	Subject	Date of receipt
1. University Grants Commission Scholarship	UGC	Based on SSC, HSC and B Sc Ag (Hons) part I-III marks	1990
2. Professor Karim Award	Professor Karim Memorial Trust, BAU	For having highest marks among the MS students in Soil Science in 1987-88	1992
3. University Prize	BAU	For securing 1 st place in Bachelor level (1987)	1995
4. Monbusho Scholarship	Japan Govt	For PhD studies	1995
5. JASSO follow-up research fellowship	Japan Students Service Organization	Successful completion of Doctor's Course in Japan and continuation of academic level in home country after return	2004

Research experience:

Duration	Name of the institute	Position held	Research topic
1991.8.3 to 1992.8.30	Bangladesh Agricultural University	Master's course student	Survey on soil fertility status
1992.9.1 to 1993.6.28	Bangladesh Agricultural Research Institute	Scientific Officer, Soil Science Division	Pot experiment on effect of Zn on sorghum and red amaranth; field experiments on effect of Zn, and some growth regulators on tomato and cabbage; and uptake of heavy metals by crops from Zn-oxy-sulfate fertilization.
1993.6.29 to 1995.9.30	Bangladesh Agricultural University	Lecturer, Soil Science Dept	Genesis of Bangladesh soils
1995.10.1 to 1998.09.30	Faculty of Agriculture, Kyushu University, Japan	Doctor's Course student	Mineralogy, K chemistry and trace elements status of Bangladesh paddy soils; and heavy metal pollution of road-side soils
1998. 10.1 to date	Bangladesh Agricultural University	Assistant Professor and Associate Professor, Soil Science Dept	Mineralogy and K chemistry of Bangladesh soils, Long term fertility trials, Nitrogen Use efficiency in rice

Membership of Professional Societies:

Sl.No.	Membership No.	Kind of membership (Whether member or other)	Name of Organization/Society
1.	L068	Life Member	<i>Soil Science Society of Bangladesh</i>
2.	LM-07	Life Member*	<i>Progressive Agriculturists</i>
3.	2-1-045-87	Life Member**	<i>Agriculturists Forum of Bangladesh</i>
4.	01-87-4513	Life Member	<i>Krishibid (Agriculturists) Institution, Bangladesh</i>
5.		Life Member	<i>Bangladesh Society for Horticultural Science</i>
6.	0106/2005	Life Member	<i>Bangladesh Agricultural Extension Society</i>
7.	1853	Member	<i>Asiatic Society of Bangladesh</i>
8.	L-22	Life Member	Bangladesh Society for Scientists and Scientific Profession
9.	0617257702	Member	Japanese Society for Soil Science and Plant Nutrition
10.	329102	Member	American Society of Agronomy
11.	329102	Member	Crop Science Society of America
12.	329102	Member	Soil Science Society of America

* Also acted as General Secretary of the Executive Committee during July 1999-June 2003 and member Executive Committee during July 2003-June 2005

**Also acting as International Affairs Secretary of the Central Executive Committee since 2000 and Treasurer local chapter since 2002.

Countries Visited:

Taiwan, Japan, USA and Saudi Arabia.

Research Project:

Principal Investigator: Screening and selection of advance line of rice on the basis of nitrogen use efficiency. Project funded by Bangladesh Agricultural University Research System. From November 2003 till October 2006.

Others:

Worked as Visiting Professor in the Faculty of Agriculture, Kyushu University, Japan from 26 October till 6 December 2005.

Worked as Visiting Professor in the Faculty of Agriculture, Kyushu University, Japan from 16 April till 22 June 2003.

Acted as supervisor of 22 students and co-supervisor of 8 students for their research work to obtain MS in Soil Science degree from Bangladesh Agricultural University.

Recognized as research supervisor PhD in Soil Science of Bangladesh Agricultural University.

References:

1. Dr. Kazuhiko Egashira

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List of publication:

A. Papers in Journal:

- Moslehuddin A.Z.M., Mian, M.H. and Hoque, A.K.M.M. 1995. Fertility status and fodder production potential of soil from Bangladesh Agricultural University Animal Farm. *Bang. J. Animal Sci.*, 24, 51-60.
- Moslehuddin A.Z.M., Islam, M.S., Sarker, N.I. and Shahiduzzaman, M. 1995. Response of sorghum, red amaranth, tomato and cabbage to added zinc in some soils of Bangladesh. *Progress. Agric.*, 6, 47-52.
- Moslehuddin, A.Z.M. and Egashira, K. 1996. Mineralogical composition of some important paddy soils of Bangladesh. *Bull. Inst. Trop. Agr., Kyushu Univ.*, 19, 33-54.
- Moslehuddin, A.Z.M. and Egashira, K. 1997. Characterization of smectites found in Ganges Floodplain soils of Bangladesh. *Clay Sci.*, 10, 151-162.
- Moslehuddin, A.Z.M., Laizoo, S. and Egashira, K. 1997. Fertility status of Bangladesh soils -- A review. *J. Fac. Agr., Kyushu Univ.*, 41, 257-267.
- Moslehuddin, A.Z.M., Laizoo, S. and Egashira, K. 1998. Heavy metal pollution of soils along three major highways in Bangladesh. *J. Fac. Agr., Kyushu Univ.*, 42, 503-508.
- Egashira, K., Hagimine, M. and Moslehuddin, A.Z.M. 1998. Fixed ammonium in some Bangladesh soils. *Soil Sci. Plant Nutr.*, 44 (2), 269-272.
- Egashira, K., Hagimine, M. and Moslehuddin, A.Z.M. 1998. Quantity-intensity relationship for characterizing ammonium chemistry of Bangladesh soils in reference to clay mineralogy. *Soil Sci. Plant Nutr.*, 44 (3), 377-384.
- Moslehuddin, A.Z.M. Saheed, S.M. and Egashira, K. 1998. Disappearing trend of smectite in Ganges Floodplains soils of Bangladesh. *Clay Sci.*, 10 (5), 349-362.
- Moslehuddin, A.Z.M., Saheed, S.M. and Egashira, K. 1998. Mineralogical approach to interstratification of different river sediments in Meghna Floodplains soils of Bangladesh. *Clay Sci.*, 10 (5), 375-384.
- Moslehuddin, A.Z.M., Islam, M.S., Hossain, K.M. and Sarker, N.I. 1998. Uptake of Cadmium, lead and zinc by different crops from Zn-oxy-sulfate fertilization. *Bang. J. Environ. Sci.*, 4, 134-139.
- Moslehuddin, A.Z.M. and Egashira, K. 1999. Potassium chemistry in some important paddy soils of Bangladesh. *Comm. Soil Sci. Plant Anal.*, 30 (3/4), 329-344.
- Moslehuddin, A.Z.M., Laizoo, S. and Egashira, K. 1999. Trace elements in Bangladesh paddy soils. *Comm. Soil Sci. Plant Anal.*, *Comm. Soil Sci. Plant Anal.*, 30 (13/14), 1975-1996.
- Moslehuddin, A.Z.M., Hussain, M.S., Saheed, S.M. and Egashira, K. 1999. Clay mineral distribution in correspondence with agroecological regions of Bangladesh soils. *Clay Sci.*, 11(1), 83-94.
- Egashira, K., Shuto, S., Takenaka, J. and Moslehuddin, A.Z.M. 2003. Variation of phosphorus status in soils of Ganges Floodplains, Bangladesh, based on the level of decalcification. *Soil Sci. Plant Nutr.* 49 (1), 153-156.
- Egashira, K., Takenaka, J., Shuto, S. and Moslehuddin, A.Z.M. 2003. Phosphorus status of some paddy soils in Bangladesh. *Soil Sci. Plant Nutr.* 49 (5), 751-755.

- Egashira, K., Matsushita, Y., Virakornphanich, P., Darmawan, Moslehuddin, A.Z.M., Mamun, M. A. A. and Do, N.H. 2003. Features and trends of rainfall in recent 20 years at different locations in humid tropical to subtropical Asia. *J. Fac. Agr., Kyushu Univ.*, 48 (1-2), 219-225.
- Egashira, K., Han, J.L., Karim, A.J.M.S., Moslehuddin, A.Z.M. and Yamada, Y. 2003. Evaluation of long-term application of organic residues on accumulation of organic matter and improvement of soil chemical properties in a clay terrace soil of Bangladesh. *J. Fac. Agr., Kyushu Univ.*, 48(1-2), 227-236.
- Begum, T., Rahman, M.M., Moslehuddin, A.Z.M. and M.A. Hoque 2003. Verification of the recommended dose of phosphorus, potassium and sulphur on yield performance of rice cv. BRRI dhan29. *The Agriculturists*, 1 (1):58-62.
- Islam M.N., A.Z.M. Moslehuddin, A.K.M.M. Hoque, I.U. Ahmed and K. Egashira 2003. Mineralogy of soils from different agroecological regions of Bangladesh: Region 1 – Old Himalayan Piedmont Plain. *Clay Sci.*, 12: 131-137.
- Shamsuzzoha M., A.Z.M. Moslehuddin, A.K.M.M. Hoque, I.U. Ahmed and K. Egashira 2003. Mineralogy of soils from different agroecological regions of Bangladesh: Region 3 – Tista Meander Floodplain. *Clay Sci.*, 12: 139-145.
- Islam M.S., A.Z.M. Moslehuddin, M. R. Islam, I.U. Ahmed and K. Egashira 2003. Mineralogy of soils from different agroecological regions of Bangladesh: Region 9 – Old Brahmaputra Floodplain. *Clay Sci.*, 12: 147-152.
- Ripon, M.N.A., A.Z.M. Moslehuddin, A.K.M.M. Hoque, I.U. Ahmed and K. Egashira 2004. Mineralogy of soils from different agroecological regions of Bangladesh: Region 11 – High Ganges River Floodplain. *Clay Sci.*, 12: 197-203.
- Khaliqzaman, M., A.Z.M. Moslehuddin, M.Q. Hoque, and K. Egashira 2004. Impact of mineralogy on fixation and release of potassium in soils from three agroecological regions of Bangladesh. *Clay Sci.*, 12: 205-212.
- Al Mamun, M.N.H., A.Z.M. Moslehuddin, A.A. Rahman, M. Kibria and R.M. Morshed 2004. Arsenic contamination in soil and water and its effect on bio-diversity hazard in some selected area of Bangladesh. *J. Soil Health Environ.*, 1(1), 14-18.
- Egashira, K., Han, J.L., Satake, N., Nagayama, T., Mian, M.J.A. and Moslehuddin, A.Z.M. 2005. Field experiment on long-term application of chemical fertilizers and farm yard manure in floodplain soil of Bangladesh. *J. Fac. Agr., Kyushu Univ.*, 50(2), 851-860.
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- Moslehuddin, A.Z.M., M.M.Hasan, M.J.A. Mian, I.U. Ahmed and K. Egashira 2005. Mineralogy of soils from different agroecological regions of Bangladesh: Region 26 - High Barind Tract. *Clay Sci.*, 12(6), 327-332.
- Rahman, M.A., A.Z.M. Moslehuddin, D.K. Saha, I.U. Ahmed and K. Egashira 2005. Mineralogy of soils from different agroecological regions of Bangladesh: Region 28 - Madhupur Tract. *Clay Sci.*, 12(6), 333-339.
- Islam, M.M., A.Z.M. Moslehuddin and M.J.A. Mian 2006. Distribution of different forms of ammonium nitrogen, calcium, and sodium in some paddy soils of Bangladesh. *Bangladesh J. Prog. Sci. & Tech.*, 4(2):173-178.

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- Hai, N.Q., H.T.L. Tra, A.Z.M. Moslehuddin and K. Egashira 2006. Clay Mineralogy of alluvial soils and grey degraded soils from the same river sediment in the Red River Delta, Northern Vietnam. *Clay Sci.* 13 (3): 101-105.
- Alam, S. M. M., A. Z. M. Moslehuddin, M. R. Islam And K. Egashira 2007. Some chemical properties of soils from two agroecological regions of Bangladesh: Region 5 - Lower Atrai Basin and Region 6 - Lower Purnabhaba Floodplain. *J. Fac. Agr., Kyushu Univ.*, 52(1), 195-202.
- Egashira, K. and A.Z.M. Moslehuddin. 2008. Local market research on vegetables in Jessore of the High Ganges River Floodplain, Bangladesh. *J. Fac. Agr., Kyushu Univ.*, 53 (1): 121-126.
- Moslehuddin, A.Z.M, M.Z. Islam, S.M.M.A. Chowdhury and K. Egashira. 2008. Mineralogy of soils from different agroecological regions of Bangladesh: Region 2 – Active Tista Floodplain, Region 4 – Karatoya-Bangali Floodplain and Region 7 – Active Brahmaputra-Jamuna Floodplain. *J. Fac. Agr., Kyushu Univ.*, 53 (1): 155-161.
- Moslehuddin, A.Z.M, M. Habibullah, M. Moniruzzaman and K. Egashira. 2008. Mineralogy of soils from different agroecological regions of Bangladesh: region 25 – Level Barind Tract and region 27 – North Eastern Barind Tract *J. Fac. Agr., Kyushu Univ.*, 53 (1): 163-169.
- Kurosawa, K., K. Egashira; M. Tani; M. Jahiruddin; A.Z.M. Moslehuddin; M. Z. Rahman. 2008. Variation in Arsenic Concentration Relative to Ammonium Nitrogen and Oxidation Reduction Potential in Surface and Groundwater. *Comm. Soil Sci. Plant Anal.*, 39 (9&10):1467-1475.
- Kurosawa, K., K. Egashira, M. Tani, M. Jahiruddin, A.Z.M. Moslehuddin and Z. M. Rahman. 2008. Groundwater–soil–crop relationship with respect to arsenic contamination in farming villages of Bangladesh – A preliminary study. *Environ. Pollution*, *in press*.

B. Thesis:

- Moslehuddin, A.Z.M. 1993. A Detailed Survey of the Fertility Status of Bangladesh Agricultural University Farm Soils. M.Sc. (Ag.) thesis, Bangladesh Agricultural University, Bangladesh.
- Moslehuddin, A.Z.M. 1998. Mineralogy and Potassium Chemistry of Bangladesh Paddy Soils. Ph.D. thesis, Kyushu University, Japan.

C. Paper in proceedings:

- Mian, M.J.A. and A.Z.M. Moslehuddin. 1999. Soil fertility changes under different cropping patterns in long-term fertility trials. Paper presented in the BRRI-IRRI joint workshop on “Long-term Experiments on Soil Fertility in Rice-based Cropping Systems” held at Bangladesh Rice Research Institute, Gazipur, Bangladesh, during 8-11 March 1999.