

Dr. Abul Hasnat Md. Shamim-----



Professor (Soil Science)

School of Agriculture and Rural Development (SARD)
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Area of Specialization and Research Interest

Ecosystems of salt affected soils and their management, Problem soils and their sustainable uses and Analytical chemistry.

Education Qualification

2010: Ph. D (**Monbusho Scholar**) in Environmental Science, Okayama University, Japan
1998 (Exam. held in 2000): M Sc in Soil Science, University of Dhaka, **First Class**
1997 (Exam. held in 1999): B Sc (Hons) in Soil Science, University of Dhaka, **First Class**
1993: HSC (Science), Government Rajshahi College, Rajshahi Board, **First Division***
1991: SSC (Science), Humayun Reza High School, Chapai Nawabgonj, Rajshahi Board, **First Division**

Professional Experience

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| Professor | 5/2018 – Present |
| SARD, BOU | |
| Associate Professor | 6/2012 – 5/2018 |
| SARD, BOU | |
| Assistant Professor | 9/2008 – 6/2012 |
| SARD, BOU | |
| Lecturer | 3/2005 – 9/2008 |
| SARD, BOU | |
| Research Assistant | 6/2003-3/2004 |
| Ministry of Education, Bangladesh | |
| Research Associate | 12/2001-6/2002 |
| Trust for Water and Env. Studies (TWEDS), Bangladesh | |
| Research Fellow | 6/1999-7/2001 |
| DU, Bangladesh | |

Selected Publications (up to 10)

Research Articles

1. MR Shaibur, **AHM Shamim**, MH Khan and FKS Tanzia 2017: Exploration of soil quality in agricultural perspective at Gabura and Buri Goalini union: Shyamnagar, Satkhira, Bangladesh. **Bangladesh**
2. **Abul Hasnat Md. Shamim**, M Moniruzzaman 2016: Crop yield and reduction of soil loss with selected hedge species under different hill slopes in Chittagong hill tract, AJA, 3(2), pp. 34-39. **Iran**
3. **AHM Shamim**, MA Sobahan, B Saha, BK Sarker and MSU Tabrig 2015: Deterioration of soil and water quality by practicing shrimp culture in Satkhira, Bangladesh. Journal of Soil and Nature, 8(3), pp. 7-13. **Canada**
4. **AHM Shamim**, M Moniruzzaman and MS Rahman 2015: Study on salt accumulation in soil layers as affected by using different strength of saline water. Journal of Soil and Nature, 8(2), pp. 30-32. **Canada**
5. MSU Tabrig, **Abul Hasnat Md. Shamim**, MA Rahman, KMM Islam and T Akae 2013: Impacts of Salinity Problems on Livelihood in Bangladesh: A Case Study. International Journal of Experimental Agriculture, 3(1), pp. 13-21. **Canada**
6. MS Sultana, MZ Islam **AHM, Shamim**, MF Mondal 2012: Effect of growth regulators on physical changes and shelf life of banana during storage. International Journal of Sustainable Crop Production, 7 (3), pp. 31-35. **Canada**
7. **Abul Hasnat Md. Shamim** and Takeo Akae 2011: Impacts of Soil Slaking and Drying on Release and Retention of Cations during Desalinization from Saline Soil. Journal of the Japanese Society of Soil Physics, 118, pp. 3-11. **Japan**
8. **Abul Hasnat Md. Shamim** and Takeo Akae 2011: Effect of Initial Water Content on Saturated Hydraulic Conductivity in Desalinization with Slaking and Drying. Journal of Paddy and Water Environment, vol. 9 (2), pp. 221-228. **Germany**
9. **Abul Hasnat Md. Shamim**, Md. Harunor Rashid Khan & Takeo Akae 2010: The Effectiveness of Sulfidic Materials as a Source of Sulfur Fertilizer for the Production of Rice in Two Sulfur Deficient Soils. The Songklanakarin Journal of Science and Technology, 32 (6), pp. 643-652. **Thailand**
10. **Abul Hasnat Md. Shamim** and Takeo Akae 2010: Effect of Pre-Dried History and Initial Water Content on Soil Slaking and Desalinization. Transaction of the Japanese Society of Irrigation Drainage and Rural Engineering, 269, pp. 325-330. **Japan**

Books

1. **Abul Hasnat Md. Shamim** et. al., 2016: Agricultural Studies- 2nd paper for classes 11 and 12 (according to NCTB syllabus). Sonali Sopan publication, Banglabazar, Dhaka-1100.
2. **Abul Hasnat Md. Shamim** et. al., 2015: Agricultural Studies- 1st paper for classes 11 and 12 (approved by NCTB). Sonali Sopan publication, Banglabazar, Dhaka-1100.
3. **Abul Hasnat Md. Shamim** 2015: Reclamation of Problem Soils, LAP LAMBERT Academic Publishing, **Germany**, ISBN: 978-3-659-69905-4.

Major Academic and/or Administrative Responsibilities/Duties

- ✚ **Editorial Board Member, Journal of Soil and Nature**, Green Global Foundation Journals.
- ✚ **Convener, Syllabus and Course Layout Preparation committee**, Master of Science in Soil Science, SARD, BOU
- ✚ **Member of School Committee**, SARD, BOU from 09/10/2006 to 01/10/2007
- ✚ **Member of School Committee**, SARD, BOU from 09/05/2013 to 08/05/2015
- ✚ **Member of School Committee**, SARD, BOU from 30/01/2018 to date
- ✚ **Media Coordinator**, SARD, BOU (Co-ordinate BTV and Radio telecast schedule, Justify program quality after recording before telecast etc.) from 06/01/2011 to 05/01/2013
- ✚ **Program Coordinator**, Bachelor of Agricultural Education Program (**BAGEd**), SARD, BOU from 15/02/2015 to 23/04/2017
- ✚ **PPD Coordinator, BAGEd Program**, SARD, BOU from 16/11/2017 to date
- ✚ **Coordinator**, MS in Agricultural Sciences Program in Soil Science, SARD, BOU from 01/05/2017 to Present
- ✚ **External Member**, Curriculum Committee, Master of Disaster Management Program (MDM), Open School, BOU

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- ✚ **Member**, Bangladesh Open University Journal of Agriculture and Rural Development
 - ✚ **Convener**, Curriculum and Syllabus Development Sub-Committee, Masters in Sustainable Agriculture and Rural Livelihood Program, SARD, BOU

Recognition and Merit Awards

1. Awarded Japanese Government Scholarship (Monbukagakusho) for Ph. D study at Okayama University in Japan from 2007-2010
2. Got Dhaka University merit scholarship on B. Sc. (Hons) examination result
3. Scholarship from Shahidullah Hall, University of Dhaka
4. Achieved Government Scholarship on H.S.C. examination result
5. Won Junior Government Scholarship both in Primary and High school levels

Research Supervisor

Supervise two students for the Degree of Commonwealth Executive Master of Business Administration (CEMBA), School of Business, Bangladesh Open University.

Professional Affiliations (Membership)

1. Editorial board member of Journal of Soil and Nature (JSN)
2. The Japanese Society of Irrigation, Drainage and Rural Engineering (JSIDRE)
3. International Society of Paddy and Water Environment Engineering (PWEE)
4. Soil Science Society of Bangladesh (SSSB)
5. Society of Agriculture and Environmental Chemists (SAEC)
6. Dhaka University Soil Science Association (DUSSA)

Workshop/Conference/Symposia Participated and Presented

1. Annual Conference of “Japanese Society of Irrigation, Drainage and Rural Engineering” August 31 to September 2, 2010, Kobe University, Japan.
2. Annual Conference of “Japanese Society of Irrigation, Drainage and Rural Engineering” August 4-6, 2009, Tsukuba University, Japan.
3. International Symposium on “Environmental Science and Technology 2009” March 18-19, Okayama University, Japan.
4. International Colloquium on “Environmental Education in Asia” March 18-19, 2009, Okayama University, Japan.
5. The 5th International Conference on “Interfaces against Pollution 2008”, June 1 to 4 Kyoto, Japan.
6. Workshop on “Diploma in Youth in Development Work program” organized jointly by the Bangladesh Open University and the Commonwealth Youth Program Asia Centre, India, 27 to 29 March, 2007.
7. Workshop on “Instructional Design” organized by Bangladesh Open University, Campaign for Popular Education and the Commonwealth of Learning, Canada, 7 to 11 May, 2006.

Training Received

1. I have been completed a training program on “Capacity Building for ODL Materials” organized by Bangladesh Open University (BOU) dated on 12 to 19 March, 2006.
2. I received a training program on “Instructional Design” organized by Open School of Bangladesh Open University (BOU), Campaign for Popular Education (CAMPE) and the Commonwealth of Learning (COL), Canada dated on 7 to 11 May, 2006.
3. I have been completed a tutors training workshop on “Diploma in Youth in Development Work (DYDW) program” organized jointly by the Bangladesh Open University (BOU) and the Commonwealth Youth Program Asia Centre, India dated on 27 to 29 March, 2007.
4. I received a training program on “Multi-media Programme Development” organized by Bangladesh Open University (BOU), at Gazipur, Bangladesh dated on 05 to 09 February, 2011.
5. I participated in the workshop on “Creative Methodology of Teaching and Learning” organized by Bangladesh Open University (BOU) at Gazipur, Bangladesh, dated on 26 to 28 December, 2011.
6. I received a training program on “e-Learning Training Workshop” jointly organized by Bangladesh Open University (BOU) and Korea International Cooperation Agency (KOICA) held from 30 July to 14 August 2012 and from 17 to 19 September 2012 under the KOICA aided project, “Establishment of ICT and Web-based Learning System in Bangladesh Open University”.

7. I attended a training program on "ICT and e-Learning System" jointly organized by BOU and KOICA held from 15 – 28 May 2013 under the project on Establishment of ICT and Web-based Learning System in Bangladesh Open University".

Media Programs 21 (11 videos + 10 audios)

Delivered 11 (Eleven) lectures through Bangladesh Television (BTV) and 10 (Eleven) lectures through Radio Bangladesh for the distance learning students of Bachelor of Agricultural Education B.Ag.Ed, School of Agriculture and Rural Development, Bangladesh Open University, Gazipur, Bangladesh.

Social Achievements

1. President in Charge, Bangladesh Student Association (BSA), Okayama, Japan
2. Executive member Bangladesh Student Association (BSA), Okayama, Japan
3. Vice-President of Residential Teachers-Officers Club, Bangladesh Open University (BOU), Gazipur Campus, Gazipur.

Language Proficiency

1. Excellent in speaking, listening, reading and writing both in Bengali and English
2. Good at speaking and listening in Japanese
3. Well at speaking and listening both in Urdu and Hindi
4. Excellent in reading Arabic

Future Plan at BOU

1. I am planning to revise 'Soil Science' and 'Plant Nutrition and Fertilizer Management' books of B.Ag.Ed program which were written by 1996 and 1997, respectively.
2. I am writing some scripts for recording audio and video lecture for the distance learners of B.Ag.Ed. programs.
3. During my PhD research on desalinization of saline soil with slaking and drying method, I have got some interesting results for clarifying such a new desalinization method (an efficient, low cost). However, some of fundamental studies on the detailed process of slaking in relation to physico-chemical properties of the soil are still required. I am planning to continue my research after developing our laboratory at BOU.
4. I have also plan to continue research work through guiding MS/PhD students with a view to optimum utilization of soil.
5. Analysis of bioactive compounds of medicinal plants.

(Professor Dr. Abul Hasnat Md. Shamim)