



Associate professor (Agricultural Engineering)

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

Hydraulics and River Engineering, Irrigation and Water Management, Flood Disaster and Risk Management, Agro-processing and Postharvest Management, Open and Distance Learning

Education Qualification

- **Doctor of Engineering in Civil Engineering** (3 Years), Department of Civil Engineering, Graduate School of Engineering, Nagoya University, Japan under MEXT Fellowship Program (October 2009 to September 2012), 2012.
- **Master of Science in Irrigation and Water Management** (1 and half years), Bangladesh Agricultural University, Mymensingh, 2005.
- **Bachelor of Science in Agricultural Engineering** (4 Years), Bangladesh Agricultural University, Mymensingh, 2001 (exam. held in 2003). **First class First.**
- Higher Secondary School Certificate (**HSC**) Examination, Rajshahi Board, 1996, **First Division.**
- Secondary School Certificate (**SSC**) Examination, Rajshahi Board, 1994, **First Division with Star.**

Professional Experience

- May 2013 ~ to date: **Associate Professor**, Agricultural Engineering, SARD, BOU
- Sep. 2008 ~ May 2013: **Assistant Professor**, Agricultural Engineering, SARD, BOU
- Nov. 2005 ~ Sep. 2008: **Lecturer**, Agricultural Engineering, SARD, BOU
- 4 Nov. 2005 ~ 27 Nov. 2005: **Monitoring Officer**, FAO, Dhaka, Bangladesh.

Responsibilities : Developing course materials on the field of Agricultural Engineering (Lecture, Books, Radio-TV programs) for teaching of different formal academic programs offered by SARD.

Major Academic and/or Administrative Responsibilities/Duties

- **Member, Academic Council**, Bangladesh Open University, Gazipur- from 30/06/2014 to date
- **Associate Editor, Institutional Engineering and Technology**, Green Global Foundation Journals (<http://ggfjournals.com/content/editorialBoard/iet>)
- **Convener, Syllabus and Course Layout Preparation committee**, Master of Science in Irrigation and Water Management, SARD, BOU
- **Convener, Course Book Update Curriculum Sub-committee**, Agricultural Engineering and Computer Science Discipline, BAEd Program, SARD, BOU
- **Member Secretary, Position paper and Regulation Preparation Committee** for the Master in Sustainable Agriculture and Rural Livelihood, SARD, BOU

- **Media Coordinator**, SARD, BOU (Co-ordinate BTV and Radio telecast schedule, Justify program quality after recording before telecast etc.) from 20/03/2013 to 19/04/2015
- **Member of School Committee**, SARD, BOU from 09/10/2006 to 30/09/2012
- **Program Coordinator**, Bachelor of Agricultural Education Program (**BAGEd**), SARD, BOU 04/05/2009 to 30/09/2009

Selected Publications (up to 10)

1. **Islam, MS** and Tsujimoto, T. (2015) Levee breaching process of a river and disaster on floodplain, *American Journal of Civil Engineering and Architecture*, 3 (2): 39-44, **USA**.
2. **Islam, MS** and Tsujimoto, T. (2015) Numerical simulation on breach evolution process of a river levee by overtopping, *Journal of Emerging Trends in Engineering and Applied Sciences*, 6 (1): 12-18, **UK**.
3. **Islam, MS** and Tsujimoto, T. (2015) Experimental and numerical approaches to overtopping levee breach effects in a river and floodplain, *American Journal of Civil Engineering*, 3 (2): 31-42, **USA**.
4. **Islam, MS**, S. Pervin, MA Khair, LR Khan (2015) Performance and operation suitability of developed hand and pedal pump for low-lift Irrigation, *Journal of Multidisciplinary Engineering Science and Technology*, 2 (2): 233-239, **Germany**.
5. S. Pervin, **M.S. Islam**, A. R. Akanda and M.S. Rahman (2014) Fertigation influence on the yield and quality of strawberry, *International Journal of Sustainable Crop Production*, 9 (1): 16-22.
6. **Islam, MS** and Tsujimoto, T. (2013) Levee breach and successive disaster depending on landscape management on floodplain, *Advances in River Sedimentation Research*, pp. 2021-2026, Taylor & Francis, **England**.
7. **Islam, MS**, Tashiro, T. and Tsujimoto, T. (2012) Laboratory Experiments on Levee Breach and Inundation in Low-land Floodplain with Particular Reference to Relative Height of River Bed to Floodplain, *International Review of Civil Engineering*, 3 (3): 251-258, **Italy**.
8. **Islam, MS** and Tsujimoto, T. (2012) Comparisons of levee breach and successive disasters in floodplain between Bangladesh and Japan, *Procedia Engineering*, 28: 860-865, Elsevier publication, **China**.
9. **Islam, MS** and Tsujimoto, T. (2012) Numerical approach to levee breach as a key of Flood disasters in low land, *International Journal of Civil Engineering*, 4 (1): 23-39, **India**.
10. **Islam, MS** and Tsujimoto, T. (2011) Characteristics of flood disasters in low floodplain along a big river due to overflow levee breach. *International Journal of GEOMAT*, 1 (1): 52-63, **Japan**.

Recognition and Merit Awards

- **Professor S. M. Nazmul Haque Smrithy Gold Medal** (2014) from Bangladesh Agricultural University (BAU), Mymensingh
- Awarded **Monbukagakusho Scholarship** from the Japanese Government throughout the doctoral course (Oct. 2009 to Sep. 2012) under Civil Engineering Special Program
- **University Prize** (2011) for securing first position in B. Sc. Ag. Engg. from Bangladesh Agricultural University, Mymensingh
- **Md. Nurul Hossain Gold Medal** (2001) in recognition of meritorious performance in obtaining graduation degree among all faculties in the year of 2001 in BAU.
- Cash money an **“Ramapathi Nath Memorial Award”** (2000) in recognition of securing the highest cumulative marks in part 1 to final examinations in the faculty of Agricultural Engineering and Technology in the year of 2000.
- **American Association of Bangladeshi Engineers and Architect (AABEA) Scholarship** (2001)