

Portfolio (Study leave)

MD. ABDUL KADER

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Education:

Doctoral Fellow (Hydrological Environment Engineering)	Kyoto University, Japan	2017~
Masters of Science (Agriculture and Environmental Sciences)	Gifu University, Japan	2016
Masters of Science (Irrigation and Water Management)	Bangladesh Agricultural University, Mymensing	2013
Bachelor of Science (Agricultural Engineering)	Bangladesh Agricultural University, Mymensing	2011

Professional Experiences:

Assistant Director	Rural Development Academy (RDA), Bangladesh	2013~
Assistant Project Director	Action Research Project on “Construction of Co-operative based Multistoried ‘Palli Janapad’ Housing with Modern Urban Amenities for Livelihood Improvement of the Rural People.	2016-2017
Assistant Project Director	Establishment of Rural Development Academy at Jamalpur	2016 - 2017
Research Assistant	Laboratory of Water Resources Environment, Gifu University, Japan	2014 - 2016
Unit In charge	Biogas, Irrigation and farm machinery unit at RDA, Bogra	2016 - 2017
Researcher	Hydrological Environment Engineering Laboratory, Kyoto University, Japan	2017~

Research Interests: Soil and water management, hydrological environmental engineering, soil hydrology.

Computer tools: R Statistical Package, Visual Basic programming (VBA), C sharp, SPSS, Microsoft office.

Professional memberships:

- American Society of Agricultural and Biological Engineers (ASABE); Membership No: 1052046
- Bangladesh society of Agricultural Engineers (BSAE)
- Institute of Engineers Bangladesh (IEB)
- Krishibid Institution of Bangladesh (KIB)
- Reviewer of the International Journal of Soil and Tillage Research

Scholarship and Awards:

1. Water and Environmental leadership scholarship from River Basin Research Center, Gifu University, Japan	2014
2. The Kubota Fund scholarship awarded by Kubota International Scholarship Foundation, Japan	2015
3. The Kubota Fund scholarship awarded by Kubota International Scholarship Foundation, Japan	2016
4. Japanese Government (MEXT) Scholarship for doctoral program at Kyoto University, Japan	2017
5. Indian Technical & Economic Cooperation Programme (ITEC) fellowship for a short course training program at NIRD, India	2017

International training:

- Participated an International training program on Planning and management of sustainable housing and habitat development at the National Institute of Rural Development (NIRD), Hyderabad, India from 01-08-2017 to 28-08-2017.

Training and certificate received:

- Participated Public Service Innovations training during 23-27 April, 2017 offered by Rural Development and Cooperative Division of the Ministry of Local Government, Rural Development & Co-operatives, Bangladesh.
- Successfully completed training course on “Preparation of Reports and Writing Ups” during 06-10 November, 2016 from Bangladesh Society for Training and Development (BSTD), Dhaka, Bangladesh.
- Participated 45th special foundation training course for 2 months (10 February -10 April 2014) from Rural Development Academy (RDA), Bogra, Bangladesh.
- Successfully completed six months training course on “Basics of MS Office” from Department of Social Services Ministry of Social Welfare Urban Community Development Project, Bogra, Bangladesh
- Successfully completed the course on “Data Analysis: MSTATC and SPSS” from Graduate Training Institute (GTI), Bangladesh Agricultural University, Mymensingh.
- Participated in the “Extension Field trip” organized by department of Extension, Bangladesh Agricultural University, from 13 January to 18 January 2010 and gained considerable experiences about rural communities, social survey, technology transfer and current agricultural programs of different organizations at Nakla Upazilla of Sherpur District.

Poster Presentations:

- Mulches effects on soil water environments under effective rainfall on soybean (*Glycine max*). 4th UGSAS-GU International Symposium 2015 in Gifu University, Japan.
- Effects of plastic-hole mulching on effective rainfall and readily available soil moisture under soybean (*Glycine max*) cultivation. 5th UGSAS-GU International Symposium 2016 in Gifu University, Japan.

List of Publications:

1. **Kader, M. A.**, Senge, M., Mojid, M. A., & Ito, K. (2017). Recent advances in mulching materials and methods for modifying soil environment. *Soil and Tillage Research*, 168, 155–166. (doi.org/10.1016/j.still.2017.01.001)
2. **Kader, M. A.**, Senge, M., Mojid, M. A., Ito, K. & T. Onishi (2017). Effects of plastic-hole mulching on effective rainfall and readily available soil moisture under soybean (*Glycine max*) cultivation. *Journal of paddy and water environment*, 15 (3), 659-668. (doi: 10.1007/s10333-017-0585-z).
3. **Kader, M. A.**, Senge, M. and Mojid M.A., (2017). Mulching type-induced soil moisture and temperature regimes and water use efficiency of soybean under rain-fed condition in central Japan. *International Soil and Water Conservation Research*. (doi.org/10.1016/j.iswcr.2017.08.001)
4. **Kader, M. A.**, Karim N. N & Mojid M. A. (2014). Impact of climate change on actual crop evapotranspiration of boro rice in Rajshahi division. *Journal of Agricultural Engineering* 41 (2), 24-33.
5. **Kader, M. A.**, Karim N. N & Mojid M. A. (2016). Climate change impacts on crop evapotranspiration of boro rice in Rangpur division of Bangladesh. *Bangladesh Journal of Agriculture*, 38-40 (5), 17-29
6. **Kader M.A.** & Rannu R. P. (2015). Hydrophobic effects of oily water on some soil properties. *Bangladesh Rural Development Studies* 17 (1), 89-100.
7. Islam, M.T. & **Kader M. A** (2015). Choice of efficient centrifugal pump for minor irrigation scheme. *International Journal of Multidisciplinary Research and Development* 2 (4), 19-23.