



Department of Civil Engineering
Khulna University of Engineering & Technology
Khulna - 9203, Tel: 041-769471 (191); Fax : 041-774403



Dr. S. M. Moniruzzaman
Professor

Research Area Environmental Engineering; Water saving irrigation techniques (for arid region); Solid waste recycling, Water and waste water treatment; Air quality .

Education

PhD in Civil Engineering

University of Fukui, Fukui City, Japan (2011) Achievement: Japanese Government MEXT (Monbukagakusho) Scholarship

M.Sc. in Civil Engineering

Khulna University of Engineering & Technology (KUET), (2007)

B.Sc.

Bangladesh University of Engineering & Technology (BUET), (1999) Group: Civil Engineering,

HSC

(1992) Group: Science, Achievement: Education Board Scholarship

SSC

(1990) Group: Science, Achievement: Education Board Scholarship

Service Records

- **Professor**

Department/Section: Department of Civil Engineering

Khulna University of Engineering & Technology From 01-01-1970 to 01-01-1970

Working Area: Teaching & research

- **Associate Professor**

Department/Section: Department of Civil Engineering

Khulna University of Engineering & Technology From 01-01-1970 to 01-01-1970

Working Area: Teaching & Research

- **Assistant Professor**

Department/Section: Department of Civil Engineering

Khulna University of Engineering & Technology From 01-01-1970 to 01-01-1970

Working Area: Teaching & Research

- **Lecturer**

Department/Section: Department of Civil Engineering

Khulna University of Engineering & Technology From 01-01-1970 to 01-01-1970

Working Area: Teaching & Research

Research Interest

Environmental Engineering: Water saving irrigation techniques (for arid region); Solid waste recycling, Water and waste water treatment; Air quality .

Publication

Books

1. (2015) , **Negative Pressure Difference Irrigation System** , LAP LAMBERT Academic Publishing

Journals

16. Islam, M. S. and Mondal, S. M. M. a. S. (2019) , " Municipal Solid Waste Quantification, Transportation and Management in Khulna City," **Journal of Civil Engineering**, Faculty Of Civil Engineering, KUET, vol10, no.2, pp.61-68

10. Khan, N. N. , Islam, M. M. and Moniruzzaman, S. I. a. S. M. (2015.) , " Effect of Porous Pipe Characteristics on Soil Wetting Pattern in a Negative Pressure Difference Irrigation System," **American Journal of Engineering Research (AJER)**, vol4, no.1, pp.1-12

9. (2014.) , " Impact of water logging on agriculture and food security: a case study in Satkhira, Bangladesh," **International Journal of Surface and Groundwater Management**, vol1, no.1, pp.29-32

8. Moniruzzaman, S. M. , Mishuk, M. H. , Sayeed, Q. S. and Rahman, M. A. T. F. (2014.) , " Study on the Performance of Different Coagulants for Turbidity and Color Removal," **International Journal of Renewable Energy and Environmental Engineering**, vol2, no.3

7. Sayeed, Q. S. , Moniruzzaman, S. M. and Hossain, M. H. M. a. S. (2014.) , " Construction and Renovation of Sewer Network at a Developed Residential Area in Dhaka City: A Case Study," **International Journal of Renewable Energy and Environmental Engineering**, vol2, no.2,

pp.144-153

6. Hassan,K. M. ,Fukushi,K. and Moniruzzaman,K. T. a. S. M. (2014.) , " Effects of Using Arsenic-Iron Sludge Wastes in Brick Making," **Waste Management**, vol34, pp.1072-1078
5. Moniruzzaman,S. M. and Rahman,Q. H. B. a. M. A. T. F. (2012.) , " Recycling Approach of Waste Paper and Plastic in Khulna City of Bangladesh," **Journal of Engineering Science**, vol3, no.1, pp.170-179
4. Moniruzzaman,S. M. and Terasaki,T. F. a. H. (2011) , " Experimental Study on Water Balance in a Negative Pressure Difference Irrigation System," **Annual Journal of Hydraulic Engineering, JSCE**, vol55, no.103-108
3. Moniruzzaman,S. M. ,Fukuhara,T. and Ishii,M. I. a. Y. (2011.) , " Seepage Flow Dynamics in a Negative Pressure Difference Irrigation System," **Annual Journal of Hydraulic Engineering, JSCE**, vol55, pp.97-102
2. Moniruzzaman,S. M. and Fukuhara,Q. H. B. a. T. (2011.) , " Recycling Practices of Solid Waste in Khulna City, Bangladesh," **The Journal of Solid Waste Technology and Management**, vol37, no.1, pp.1-15
1. Moniruzzaman,S. M. ,Mahmud,H. M. I. and Rahman,Q. H. B. a. M. H. (2007.) , " Treatment of Textile Industries Effluent in Bangladesh," **The Environ Monitor**, volVII, no.1 & 2, pp.28-36

Conference

15. (2012.) , "Role of Recycling Factories towards Sustainable Solid Waste Management in Khulna, Bangladesh," **Proceedings of the National Seminar on Climate Change Impact and Adaptation** , pp.215- 225
14. Islam,A. M. and Moniruzzaman,Q. H. B. a. S. M. (2009.) , "Energy Recovery from Recyclable Plastic Waste in Khulna City," **Proceedings of the National Seminar on Promotion of Renewable Energy in Bangladesh**
13. Sayeed,Q. S. and Mishuk,S. M. M. & M. H. (26-28 December 2014.) , "Renovation of Separate Sewer Network and its Engineering Significances at a Residential Area in Bangladesh: A Case Study," **Proceedings of the 2nd International Conference on Advances in Civil Engineering** , pp.120-125
12. Moniruzzaman,S. M. ,Mishuk,M. H. and Rahaman,Q. S. & M. H. (26-28 December 2014.) , "Study on the Water Consumption Behavior in Khulna City," **Proceedings of the 2nd International Conference on Advances in Civil Engineering** , pp.95-101
11. (27-29 September 2014.) , "Modeling of Heat and Mass Transfer in a Negative Pressure Difference Irrigation System (Best Paper Award)," **Proceedings of the 3rd World Conference on Applied Sciences, Engineering & Technology**
10. Moniruzzaman,S. M. ,Adhikari,J. and Fahmida,Q. H. B. a. K. (2014.) , "Study on Composting of Uncooked Kitchen Waste," **Proceedings of the 2nd International Conference on Civil Engineering for Sustainable Development** , pp.5-7
9. (2013 Bangladesh.) , "Performance of a New Water Saving Irrigation Technique to face the Global Challenge of Water Scarcity," **Proceedings of the International Conference on Climate Change Impact and Adaptation** , pp.651-660
8. Moniruzzaman,S. M. ,Fukuhara,T. and Terasaki,Y. I. a. H. (2011.) , "Effect of Negative Pressure Difference Irrigation on Soil Wetting Pattern," **Proceedings of the 8th International Micro Irrigation Congress** , pp.15-28
7. Moniruzzaman,S. M. ,Fukuhara,T. and Ito,H. T. a. M. (2010.) , "Evaluation of Water Balance Accuracy of Negative Pressure Difference Irrigation System," **Proceedings of the 65th Annual Conference of The Japan Society of Civil Engineers** , pp.293-294
6. Islam,M. A. and Bari,S. M. M. a. Q. H. (2009 Bangladesh.) , "Recycling of Animal Bone in Khulna City," **Proceedings of the International Conference on Solid Waste Management** , pp.657-662
5. Bari,Q. H. and Uddin,S. M. M. a. M. A. (2009 Bangladesh.) , "Recycling of Solid Waste in Khulna City of Bangladesh," **Proceedings of the International Conference on Solid Waste Management** , pp.623-630
4. Uddin,S. M. K. and Moniruzzaman,Q. H. B. a. S. M. (2009 Bangladesh.) , "Where do the Used Tyres Go? A Case Study," **Proceedings of the International Conference on Solid Waste Management** , pp.371-376
3. (2008 Bangladesh.) , "Recycling of Plastic Waste in Khulna city," **Proceedings of the National Seminar on Solid Waste Management-WasteSafe 2008** , pp.235-241
1. Moniruzzaman,S. M. , Bari,Q. , Chowdhury,K. , Hasan,M. and Raihan,a. M. (2005 Bangladesh.) , "Recycling of Inorganic Solid Wastes Solid Waste in Khulna City, Bangladesh," **Proceedings of the Third Annual Paper Meet and International Conference on Civil Engineering of IEB** , pp.197-204