

Résumé of

DR. ABUL BASAR MD. ZAHID HOSSAIN

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Biography

Name : Dr. Abul Basar Md. Zahid Hossain
Father's name : Late Anwar Hossain
Mother's name : Late Jebunnessa
Date of Birth : 30th November, 1970
Age (01-02-2015) : 44 years 02 months and 01 day
Religion : Islam
Nationality : Bangladeshi (By Birth)
Marital Status : Married
Hobby : Traveling, Listening Music, Reading Books

Present address : Dr. Abul Basar Md. Zahid Hossain
Senior Scientific Officer
Irrigation and Water Management Division
Bangladesh Rice Research Institute
Gazipur-1701
Bangladesh

Permanent address: Village –Bonogram (South), PO-Bera,
PS -era, Dist-Pabna,
Bangladesh

Educational Qualification

2013 PhD in Irrigation and Water Management, Bangladesh Agricultural University, Mymensingh.

Title: Solute Transport Characteristics through Different Textured Soils

2005 Master of science in Irrigation & Water Management (IWM). Bangladesh Agricultural University, Mymensingh.

Title: Monitoring Salt Dynamics in Three Saturated Soils by Using Time-Domain-Reflectometry (TDR)

Courses studied: Drainage Engineering, Ground Water Engineering, Open Channel Flow, Water Resource Planning, Irrigation Systems Planning and Design, Agricultural Meteorology, Irrigation Engineering, Surface Water Hydrology, Soil-Water-Plant Relationship, Flood Control, Irrigation System Evaluation and Engineering Mathematics.

1997 Bachelor of Science in Agricultural Engg.
Bangladesh Agricultural University,

Mymensingh [1st class, 7th position]

Major Courses Studied:

Ground Water and Wells, Hydraulic Machinery and Irrigation Structure, On Farm Water Management, Agricultural Meteorology and Hydrology, Soil and Water conservation Engineering, Irrigation and Drainage Engineering, Fluid Mechanics and Hydraulics, Soil Science, Agronomy, Agricultural Statistics, Mathematics, Engineering Analysis etc.

1988 Higher Secondary Certificate Dhaka College, Dhaka. 1st Division, Science Group

1986 Secondary School Certificate Tejgaon Polytechnic High, Dhaka. 1st Division, Science Group

Computer Skill: MS word, Excel, MSTAT-C, Cropwat 8.0, AutoCAD

English Language proficiency:

Instruction of courses studied was in English
Writing and Speaking Ability: Good

Communication skills:

Both English and Bengali can be used fluently

Job Experience: About 15 (Fifteen) years job experience:

Working as a **Scientific Officer** in Irrigation and Water Management division, Bangladesh Rice Research Institute (BRRI) since 21 August, 2001 to 3 August 2010.

Senior Scientific Officer in Irrigation and Water Management division, Bangladesh Rice Research Institute (BRRI) since 04 August, 2010 to-date.

Currently conducted "Feasibility study of solar pump for irrigated rice" as a **Co-Investigator** at BRRI research field under Irrigation and Water Management Division, BRRI, Gazipur.

Working Scientist of "Integrated Agricultural Productivity Project (IAPP)-BRRI Component at Rangpur, Kurigram, Lalmonirhat and Nilphamari districts since 2012 financed by MoA and World Bank. Main responsibilities are adoption and validation of water management technologies in the farmer's fields developed by Irrigation and Water Management Division, BRRI.

Currently **Co-Investigator** of "Water saving potential and varietal performance of aerobic rice in Gazipur and Rajshahi districts, financed by Krishi Gobeshona Foundation (KGF).

Worked at Bangladesh Agricultural Research Institute (BARI) as a **Scientific Officer** in Irrigation and Water Management division from 06 September 1998 to 29 February, 2000.

Worked at Department of Agriculture Extension (DAE) as an **Agricultural Engineer** from 02 March, 2000 to 20 August, 2001.

I am working as a **Senior Irrigation Consultant** at Infrastructure Development Company limited (IDCOL) from 30 March 2015 on lien.

Field of interest: Wastewater management, Irrigation scheduling, Groundwater modeling, Water quality and Renewable energy etc.

In addition, I have done some research works so far as listed below:

1. Alam, M. M., M. K. Mondal, **A. B. M. Zahid Hossain** and G. K. Bhuiyan. 2006. Soil Moisture Content and Salinity Dynamics of Ploughed and Unploughed Land in the Coastal Region of Bangladesh. *Int. J. Sustain. Agri. Tech.* 2(2): 69-76.
2. **Hossain, A. B. M. Z.** and M. A. Mojid. 2006. Construction of Time-Domain Reflectometry (TDR) Sensor for Measuring Soil-Water Content. *Int. J. Sustain. Agri. Tech.* 2(3): 14-20.
3. **Hossain, A. B. M. Z.** and M. A. Mojid. 2006. Monitoring Salt Dynamics in Three Saturated Soils by Using Time-Domain-Reflectometry (TDR). *Journal of the Engineering Institution of Bangladesh.* Vol. 32/AE, December.
4. **Hossain, A. B. M. Z.,** A. H. Khan and M. A. Sattar. 2006. Water Management in Alternative Tillage and Crop Establishment Methods for Crop Diversification in Rice-Wheat Cropping System. *Progress. Agric.* 17(1): 239-247.
5. Nath, S. R., M. A. Mojid and **A. B. M. Zahid Hossain.** 2006. Salt Leaching Characteristics of Three Different Textured Soils Measured by Time-Domain-Reflectometry (TDR). *Bangladesh J. Agril. Engg.* 17 (1&2): 9-18.
6. Pathan, A. B. M. B. U., M. A. Mazid Miah, Fazana Islam, **A. B. M. Zahid Hossain** and M. Nazmul Hasan. 2007. Mineral Nutrition and Yield of Sesame Genotypes in Southwestern Coastal Saline Region of Bangladesh. *Bangladesh J Agril. Res.* 32(3):387-391.
7. **Hossain, A.B.M.Z.,** M.G.K. Bhuyan and M. Huda. 2010. Development of a Method for Selecting Two-Wheel Drive Tractor. *Echo-friendly Agril. J.*3(3): 154-158.
8. Biswas S. K., M. A. Hossain, **A. B. M. Zahid Hossain** and M. A. Islam. 2007. Effect of Water Stress on Yield of Maize. *Bangladesh J. Agril. Engg.* 18 (1 & 2) 31-36: 2007.
9. Mojid, M.A., G.C.L. Wyseure, S.K. Biswas and **A.B.M.Z. Hossain.** 2010. Farmers' perceptions and knowledge in using wastewater for irrigation at twelve peri-urban areas and two sugar mill areas in Bangladesh. *Agric. Water Manage.* 98(1): 79–86.
10. Mojid, M.A. and **A. B. M. Zahid Hossain.** Conjunctive Use of Saline and Fresh Water for Irrigating Wheat (*Triticum aestivum* L.) at Different Growth Stages. 2013. *The Agriculturists* 11(1): 15-23.
11. Mojid, M.A., **A. B. M. Zahid Hossain,** V. Cappuyns and G. C. L. Wyser. 2014. Transport characteristics of heavy metals, metalloids and pesticides through major agricultural soils of Bangladesh as determined by TDR. Manuscript submitted to *European Journal of Soil Science.*

Report:

- Rashid, M. H., M. A. K. Mridha, M. S. Islam, M S. Alam, S. K. Biswas, M. A. Hossain, M. M. Hossain and **A. B. M. Zahid Hossain**. 1999. Improvement of the water resources management for a sustainable rice-wheat system in Dinajpur and Jessore areas. Annual report 1998-1999. A contract research project funded by ARMP/BARC.
- Khan, A. H., Kutub Uddin, M. A. Begum, H. Rashid, M. Alam. , S. Rahman, **A. B. M. Zahid Hossain**, A. Quddus, N. Islam, A. Hossain, A. M. Miah, A. R. Gomosta, R. J. Buresh and J. K. Ladha. Progress Report of ADB and Other Funded Rice-Wheat System Research at Chuadanga Site. Report prepared for presenting at RTCC/RSC meetings held in Islamabad, Pakistan from 7-12 February, 2004.
- Khan, A. H., M. M. Alam, Kutub Uddin, Z. Rahman, S. Rahman, R. Islam, **A. B. M. Zahid Hossain**, A. Quddus, N. Islam, B. A. A. Mustafi, A. M. Miah and A. R. Gomosta. Progress Report of ADB Funded Rice-Wheat System Research at Chuadanga Site. Report prepared for presenting at RTCC meetings held in Kathmandu, Nepal from March 4-6, 2003.

Poster:

1. Guido Wyseure, Ma Mojid, Sk Biswas, and Abmz Hossain. The implications of (re-)use of wastewater for irrigation in Bangladesh. Poster, Geophysical Research Abstracts, Vol. 13, EGU2011-12092, 2011.

Reference:

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