

Ongoing Research

Research Topic	Sponsored by	Investigators	Duration	Beginning
1. Development of a Water Resources Model as a Decision Support Tool for National Water Management In collaboration with: WARPO	BUET	Dr. Mashfiqu Salehin Prof. Jahir Uddin Chowdhury Dr. A.K.M. Saiful islam	3 years	September 2005
2. Field Based Applied Research for the Stabilization of the Major Rivers in Bangladesh In collaboration with: Disaster Prevention Research Institute of Kyoto University, Japan	Ministry of Education, Japan	Prof. Mozzammel Hoque Prof. Munsur Rahman Dr. Md. Asad Hussain Prof. Anisul Haque Prof. Rezaur Rahman	4 years	April 2006
3. Tsunami Hazard Assessment in the Coastal Regions of Bangladesh. In collaboration with: Institute of Water Modelling (IWM)	BUET	Prof. M. Shah Alam Khan Prof. Anisul Haque Dr. Md. Asad Hussain	2 years	July 2007
4. Assessment of Crop Water Deficit and Estimation of Yield of Wheat in Greater Dinajpur Region using MODIS data In collaboration with: BARI	BUET	Dr. Sujit Kumar Bala Dr. A.K.M. Saiful islam	1.5 years	September 2008
5. Sustainable Management of River Bank Erosion along the Mekong River and Gangetic Deltaic Plain in Cambodia, Vietnam and Bangladesh	DFID	Prof. Munsur Rahman Dr. Sujit Kumar Bala	3 years	January 2008
6. Development of a 3D Hydro-morphological Model for Rivers	BUET & JAFS	Prof. Anisul Haque Dr. Md. Asad Hussain Dr. A.K.M. Saiful islam Prof. Munsur Rahman Dr. Mashfiqu Salehin	2 years	March 2009
7. Assessment of current disposal options for industrial sludge in terms of potential water quality impacts and application of novel treatment methods in ETP to reduce sludge and	ES & CASR, BUET	Dr. Md. Abed Hossain Dr. Md. Asad Hussain Dr. Mashfiqu Salehin	1 year	February 2009

sludge toxicity In collaboration with: Environmental Services				
8.Numerical Investigation of Residual Currents in the Meghna Estuary	CASR, BUET	Dr. Md. Asad Hussain Dr. Md. Abed Hossain Prof. Anisul Haque	1 year	February 2009
9.Hydraulic Profiling of Important Fish Habitats of the Jamuna River In collaboration with: CEGIS, IUCN, TARA	BUET	Prof. Rezaur Rahman Prof. Munsur Rahman Dr. G. M. Tarekul Islam	1 year	February 2010
9.Impact of Climate Change on Rainfall Intensity in Bangladesh	BUET	Dr. Saiful Islam Sonia Binte Murshed Prof. M. Shah Alam Khan	1.5 years	November, 2010
11.Development of an Institutional Framework for Management of Rivers Surrounding Dhaka City	DoE, BIWTA, RAJUK and DWASA	Dr. M. Shahjahan Mondal Dr. Mashfiqus Salehin	1 year	November, 2010
12. Water Security in Peri-Urban South Asia: Adapting to Climate Change and Urbanization In collaboration with: SaciWATERS, Hyderabad, India MDI, Gurgaon, India nec,Kathmandu, Nepal.	IDRC	Prof. M. Shah Alam Khan Prof. Rezaur Rahman Dr. M. Shahjahan Mondal	2 years	August, 2010

Completed Research (under review)

The following research projects have been completed recently and now under review process.

Research Topic	Sponsored by	Investigators
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1. Opportunities of Water Saving & Cost Reduction in Irrigated Boro Rice at Farmers' Level In collaboration with: Institute of Water Modelling (IWM)	IWM & BUET	Prof. Abul Fazal M. Saleh
2. Investigation into Replicability of Good Practices in Flood Management	BUET	Prof. Rezaur Rahman
3. Rainfall Estimation over Bangladesh using Remote Sensing Data.	BUET	Dr. A.K.M. Saiful Islam Dr. M. Nazrul Islam (Physics Dept., BUET)
4. Pollutant Contribution of Fertilizers to Surface and Groundwater in Intensively Rice-cultivated Areas In collaboration with: Bangladesh Rice Research Institute (BRRI)	BUET	Prof. M. Shah Alam Khan Prof. A.F.M. Saleh Prof. A.B.M. Badruzzaman (Civil Engg. Dept.)