

Md. Shakhawat Hossain

Assistant Professor
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Objective: To prepare myself a dedicated researcher by obtaining a suitable PhD position.

Research Interest: Disaster Risk Reduction, Seismology, Geoinformatics, CVI, Climate Change, Geophysical and Geotechnical investigations for Sustainable Development.

Publication:

- **Hossain, M.S.**, B.M.R Hossain., A.K.M.F Kabir., A.S.M Woobaidullah., A.S.M.M Kamal and C. Quamruzzaman. 2013. Correlation of geophysical and geotechnical investigations for seismic hazard assessment in Dhaka city, Bangladesh. *Global Journal of Bio-science and Biotechnology*. **2(2)**: 139-144.
- Islam, M.A., **Hossain, M.S.**, and Murshed, S. 2014. Assessment of coastal vulnerability due to sea level rise at Bhola island, Bangladesh: using geospatial techniques, Accepted, Springer, India
- Islam, M.A., **Hossain, M.S.**, Hasan, T. and Murshed, S. 2014. Quantifying shoreline changes along the Kutubdia island, south east Bangladesh using digital shoreline analysis (DASA) system, accepted, Bangladesh journal of scientific research.
- **Hossain, M.S.**, Kamal, A.S.M.M., Rahman, M.Z., Rahman, M.M., Nahar, K. and Woobaidullah, A.S.M. 2014. Predominant period and amplification factor estimation with respect to geomorphology - a case study of Sylhet city corporation area, Bangladesh, accepted, Bangladesh journal of scientific research.

Education:

- M.S in Petroleum Geology and Geophysics at Department of Geology, University of Dhaka, Bangladesh, 2009 (Examination of 2006), First Class (1st Position)
- B.Sc (Hons. 4 years Integrated) in Geology at Department of Geology, University of Dhaka, Bangladesh, 2007 (Examination of 2005), First Class (3rd Position)
- Higher Secondary Certificate (H.S.C): Science Group, Comilla Board, 2000, First Division
- Secondary School Certificate (S.S.C): Science Group, Comilla Board, 1998, First Division

Experiences:

JULY' 2013 TO DATE:

Faculty, Department of Disaster Science and Management, Faculty of Earth and Environmental Sciences, University of Dhaka.

OCTOBER' 2009 TO JULY' 2013:

Bangladesh Petroleum Exploration and Production Co. Ltd. (BAPEX), only state owned organization of Government of Bangladesh working in the field of Hydrocarbon exploration and production. Worked as Geophysicist and Responsibilities Performed:

- Image analysis using ArcGIS/ GP Seismic/Google Earth/ ERDAS to perform Environmental Safety.
- Mapping using ArcGIS
- Field planning and program execution.
- HSE policy establishment in field area.
- Survey design and planning
- Field Observation
- Manpower handling and job distributions
- Preparation of theoretical data and upload in the RTK and Total Station Controller
- Processing of surveyed data
- To Send the Processed data as CSV format to QC section
- To prepare drilling program for Data Acquisition
- Log Digitization, analysis using tigris

MAY' 2008- AUGUST' 2008:

Worked as Research Assistant (Geologist) under “The project on Seismic Hazard and Vulnerability Assessment of Dhaka, Chittagong and Sylhet City Corporation Area” funded by UNDP/CDMP, Ministry of Food and Disaster Management, Bangladesh.

Responsibilities Performed:

- Shallow Seismic data Acquisition, Processing and Interpretation
- Microtremor Survey, data Processing and Interpretation
- Microtremor Array Survey
- P.S Logging
- Shallow Drilling with SPT
- Mapping using ArcGIS

Professional Training:

- Training on Geological Investigations from 2nd to 4th June, 2013 held at Department of Disaster Science and Management at Dhaka University.
- Training on Redhat Linux (RHEC-6) in BASE Ltd. from August 04 to September 22, 2012.
- Workshop on Seismic Data Processing from 5th to 9th September, 2011 held at ONGC Academy, India.
- Reservoir Management from 31 January – 04 February 2010 organized by BPI in collaboration with DPMRE, BUET.
- 3D Seismic Interpretation (Geology, Petrophysics, Mapping etc.) by Tigress at Petrocentre, 2009.
- Etna Operational Training, PSD & SMA Software Training held at CDMP, Dhaka, Bangladesh on December 3, 4 & 6, 2008.

Softwares Familiar with:

Juggler, Pickwin, ArcGIS 9.3.1, GPSeismic, TGO, TBC, Seismodule Controller Package, ERDAS IMAGINE, CRISIS2007 etc.

Reference:

• Professor Dr. A.S.M. Woobaidullah
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• Professor Dr. A.S.M Maksud Kamal
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&
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