

# Tahmid Huq Easher

Dhaka, Bangladesh

✉ tahmid.huq@northsouth.edu

## SKILLS/QUALIFICATIONS

- Fluent in English and Bengali
- Intermediate skill in Microsoft Office, and Adobe Software (Illustrator & Photoshop).
- Basic skill in “R” Statistical Software, Arc View GIS 9.1, DrainMod 6.0, and Stella 9.1.4.
- Research experiences in integration of water demand-supply analysis, climate change adaptation, environmental policy, IWRM, soil and water quality, and sustainability.
- Field work experience in soil, water and gas sampling and quality assessment, community based and collaborative adaptation, and watershed management and planning.

## EDUCATION

Master of Science in Integrated Water Resources Management 2011  
McGill University, Montreal, Quebec, Canada GPA: 3.83/4.00  
Bachelor of Science in Environmental Science 2008  
North South University (NSU), Dhaka, Bangladesh GPA: 3.60/4.00

## RELAVENT PROFESSIONAL EXPERIENCE

**Senior Lecturer** May, 2015 - Present

*Dept. of Environmental Science & Management and Earth Club of North South University, Dhaka, BD*

- Delivering lectures and seminars, and designing, preparing and developing teaching materials
- Assessing students' coursework, setting and marking examinations, and supervising students' activities
- Undertaking personal research projects and actively contributing to the institution's research profile
- Coordinating Outreach Program to promote environmental education for the department.
- Establishing collaborative links outside the university with industrial, commercial and public organizations
- Faculty Advisor of Earth Club, one of the largest environmental student clubs in Bangladesh
- Acting as a Self-Assessment Committee Member of Institutional Quality Assurance Cell of the department

**Short Term Consultant** February - April, 2015

*Power and Participation Research Centre (PPRC), Dhaka, Bangladesh*

- Consulted on a project titled “Economic Risk Analysis of Water Scenario in Bangladesh”, funded by WWF
- Prepared an analytical and projection report on sector wise water demand-supply scenario in Bangladesh.
- Assessed current water resources, use and demand condition through desktop reviews
- Engaged stakeholders in assessing water risk in future, and prepared reports, framework and figures

**Field Assistant** July - August, 2013

*Emile A. Lods Agronomy Research Centre, McGill University, Montreal, QC, Canada*

- Collected and processed soil and water samples in the field
- Performed soil and water nutrient analysis in the lab
- Produced technical report based on the findings.
- Carried out duties like weeding, harvesting, washing, weighing and carrying crops in the field

**Research Associate and Lecturer** May, 2012 – May, 2013

*Centre for Climate Change and Environmental Research, BRAC University, Dhaka, Bangladesh*

- Managed two research projects concerning water management and quality
- Conducted and coordinated research activities and prepared publications
- Facilitated and organized several events (seminar, workshops and trainings)
- Executed site assessments, reclamation, sustainability and community capacity building programs.
- Represented the Centre in national and international seminars/workshops

**Research Assistant**

October, 2010 – December, 2011

*Department of Natural Resource Science, McGill University, Montreal, QC, Canada*

- Worked on a project analyzing phosphorus loss from two artificially drained agricultural fields
- Prepared a draft plan to manage phosphorous concentrations found in the Pike River watershed
- Analyzed water samples for different forms of phosphorus, pH, and electricity conductivity
- Assisted PhD students with their laboratory work on soil ecology, which included operating a gas chromatographer, and invertebrate, gas, soil and water sampling and analysis
- Carried out administrative, logistic and information technology support duties

**Research Officer**

September, 2009 – August, 2010

*Bangladesh Institute of Development Studies (BIDS), Dhaka, Bangladesh*

- Designed, organized and conducted field research at the local and regional level
- Wrote field reports, formal documentation, and analyzed and managed database
- Conducted focus group discussions and household questionnaire sessions
- Facilitated participatory workshops with different stakeholders
- Assisted in preparing project methodology, budget plan and other administrative duties

**Graduate Teaching Assistant**

April - August, 2009

*Department of Environmental Science & Management, North South University, Dhaka, BD*

- Assisted faculty members in taking exams, preparing lecture notes, and grading papers
- Assisted in administrative, logistics, webpage designing and facilitating the launch of the master's program
- Organized several events and managed logistical and administrative matters

**Research Intern**

October, 2008 – March, 2009

*Bangladesh Center for Advanced Studies (BCAS), Dhaka, Bangladesh*

- Conducted social scoping about a project related to wetland water pollution
- Wrote a report about Corporate Social Responsibilities and Environment
- Prepared presentations and posters about safe chemical handling for the industrial laborers

**AWARDS AND GRANTS**

- Faculty Research Grant 2016-17, North South University
- Gobeshona Young Research 2016 - Sponsored by USAID
- Travel Grants for Attending International Conferences and Publishing Academic Papers 2015 - NSU
- Graduate and Post-Doctoral Studies Summer 2011 Differential Fee Waivers (DFW): International research student scholarship, McGill University
- Provost's Graduate Fellowship 2010: Entrance scholarship, McGill University
- Cum Laude: Academic Brilliance Award 2010, North South University

**PUBLICATIONS**

- Haque, N. & Huq Easher, T. (2017). *Assessing Knowledge and Skills Requirements to Address Climate Change Mitigation and Adaptation in Bangladesh. Abstract Accepted.* In Azeiteiro UM, Leal Filho W, Davim, J.P., (Eds), *Higher Education Institutions in a Global Warming World - The transition of Higher Education Institutions to a Low Carbon Economy.* Special Issue. International Journal of Climate Change Strategies and Management
- Huq Easher, T. & Hoque, S. F. (2017). *When Adaptation Goes Wrong: A Case Study of Tidal River Management in Kalicharanpur, Jessore. Working Paper*
- Huq Easher, T. (June 2013). *Water-Scarce in the CHT.* In P. Gain (Ed.), *The Chittagong Hill Tracts: Man-Nature Nexus Torn.* Dhaka: Society for Environment and Human Development (SEHD)

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## TEACHING EXPERIENCE

### **Integrated Water Resource Planning & Management: NSU, Spring 2016, Fall 2016 & 2017**

An overview of global water resource availability and crisis; integrated water resources planning and management; review of hydrology and fluid mechanics; natural water resources system; water resources system of Bangladesh; extreme water events; flood protection (structural vs. non-structural measures); climate change and water resources; water resources system modeling; water and poverty; livelihood relation.

3 Credits. 400 level course.

### **Environment and Mass Communication: NSU, Fall 2015 & 2016, Summer 2017.**

This course serves as an introduction to Mass Communication and the media with special focus on its role in Environment. Through the different topics studied, the students will gain a global perception of the evolution of the mass media on Environmental Reporting and will obtain a general understanding in the usage and effect of different media in Environmental Topics. 3 Credits. 300 level course

### **Environment Organization: NSU, Summer 2018**

This course serves as an introduction to the nature; composition; structure; mandate and role of community level; national; regional and global organizations dedicated to environmental work; special attention to UN environmental organizations such as UNEP; GEF; etc.; relationship between national and global environmental organizations; national; regional and global environmental policy and conflict.

3 Credits. 300 level course.

### **Environmental Management: NSU, Summer, Fall & Spring 2015, 2016 & 2017**

A problem–solution approach to natural resource management with particular focus on management of forests, rangelands, parks, biodiversity, air, soil and water; solid and management issues arising out of legal, economic and social aspects of environmental factors; role of individuals, institutions, state and the global community in addressing these issues; eccentric and human approaches to environmental management; environmental management systems: theory and implementation. 3 Credits. 200 level course

### **Introduction to Environmental Science: NSU, Summer, Fall & Spring 2015, 2016 & 2017**

Man and environment. Major components of the environment. Basic population dynamics. Bio-geo-chemical cycles. Biosphere: ecological concepts and ecosystems; flow of matter and energy through an ecosystem; biodiversity. Lithosphere: agriculture and environment; urbanization; solid and hazardous waste management. Atmosphere: chemistry of air; urban air pollution; acid rain; global warming; ozone layer depletion. Hydrosphere: water chemistry; water pollution and treatment; wetland and coastal management. Renewable and non-renewable energy. Environmental health and toxicology. 3 Credits. 100 level course.

## RESEARCH PROJECTS

- Integrating Disaster Resilience and Preparedness into the Plans for Growth with EDGG-DFID, Bangladesh
- Preventing Future Algae Blooms in the Northern East Wetlands Regions in Bangladesh through a Low-Cost and Locally-Available Phosphate Management Program (ongoing, but completed my part) with NSU, BD
- Is there any Difference between Climate Finance (CF) and Overseas Development Assistance (ODA)? The Case of Bangladesh (ongoing, will be completed by February 2018) with NSU, Bangladesh
- Is Manganese in Potable Water a Public Health Concern? with NSU, Bangladesh
- When Adaptation Goes Wrong: A Case Study of Tidal River Management in Kalicharanpur, Jessore
- Economic Risk Analysis of Water Scenario in Bangladesh with PPRC, WWF and H&M, Bangladesh
- Strengthening governance for wetland management policies with C3ER and GIZ; Bangladesh
- Role of governance against climate change induced migration with C3ER and ANSA; Bangladesh
- Monitoring the Soil Salinity in the South-western Region of Bangladesh with C3ER
- A range of approaches to address the risk of loss and damage with C3ER and UNFCCC, Bangladesh

- Water quality analysis to measure phosphorus loss from two artificially drained (surface and sub-surface) agricultural fields using DRAINMOD modeling within pike river watershed; Bedford, Quebec, Canada
- Gas and soil sampling for “Earthworm-induced decomposition and denitrification in riparian buffers and agricultural land”, Bedford & Sainte Anne de Bellevue, Quebec, Canada
- Gender, social capital, local government & climate change adaptation with BIDS and World Bank; BD
- Social studies of economics of adaptation to climate change with BIDS and World Bank; Bangladesh
- Water quality assessment of Moksh Beel and industrial impacts on agriculture and fisheries in Mokosh Beel area, Safipur bazar, Kaliakur in Bangladesh

## CONFERENCE PAPERS AND POSTERS

- Khan, M.R, Bashar, R., Munira, S, Huq Easher, T. (February 15-16, 2018). “Understanding the Difference between Overseas Development Assistance (ODA) and Climate Finance (CF): The Case of Bangladesh”. Oral Presentation at 2nd International Conference on Climate Change, The International Institute of Knowledge Management (TIKM), Colombo, Sri Lanka.
- Bashar, R., Munira, S., Khan, M. R., Huq Easher, T. (November 2-4, 2017). “*Understanding the Difference between Overseas Development Assistance (ODA) and Climate Finance (CF): The Case of Bangladesh*”. Contribution Presentation at 13<sup>th</sup> Conference of Youth, United Nations Framework Convention on Climate Change (UNFCCC), Bonn, Germany.
- Andrew, J., Huq Easher, T., Bashar, R., Khan, N. A. (September 23-24, 2017). “*Social Capital and Development Failure: The Case Study of a Sub-surface Arsenic Removal System in Narail, Bangladesh*”. Paper Presentation at 7<sup>th</sup> International Conference on Advances in Economics, Social Science and Human Behaviour Study – ESSHBS’17, Bangkok, Thailand.
- Rahman, M. M., Huq Easher, T., Rashid, S., Khandaker N. R. (September 18-20, 2017). “*Is Manganese in Potable Groundwater a Public Health Concern for Bangladesh?*” Poster Presentation at International WaTER Conference, University of Oklahoma, Norman, Oklahoma, USA
- Huq Easher, T., Hoque, S. F. (January 8-11, 2017). “*Tidal river management in Kalicharanpur, Jessore: Assessment from cradle to grave*”. Paper Presentation at 3<sup>rd</sup> Gobeshona Annual Conference 2017, Independent University of Bangladesh, Dhaka, Bangladesh.
- Huq Easher, T. (October 26-30, 2015). “*Comparison of Six Major Fisheries Co-management Practices in Bangladesh*”. Poster Presentation at Regional Conference on Co-management of Natural Resources, Bangkok, Thailand.

## THESIS SUPERVISED

### Supervisor

- Assessing the Status of Climate Change Education and the Level of Climate Change Awareness Among the Tertiary Level Students in Dhaka, Bangladesh (2017)
- Situation Analysis to Promote Sustainable Tourism in Gazipur, Bangladesh (2018)

### Co-Supervisor

- Heavy Metal Contamination by Tanning Industries: A Comparative Analysis of Soil, Water and Vegetation at Hazaribagh and Savar Tannery Estate (2017)
- Assessment of Phytosociological Attributes and Carbon Stock of Tree Species in Village Common Forests in Chittagong Hill Tracts, Bangladesh (2017)
- Lightning Related Fatalities and Injuries in Bangladesh, during the year 2011-2016 (2017)
- Social capital and Development failure: The case study of an SAR System site in Narail, Bangladesh (2016)
- Barriers of ecotourism in Sylhet region, Bangladesh (2016)
- Social media: new frontier for conservation activism in Bangladesh? (2016)