

Curriculum Vitae

Md Asif Rahman

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Office: 217 Jessup hall, University of Iowa, IA, USA

Educational Background:

2016-Present

PhD, Department of Geography and Sustainability Sciences, University of Iowa, USA

2009-2011

Masters in Environment Sciences, Policy and Management (MESPOM): Erasmus Mundus masters program jointly operated by University of Manchester, UK; Central European University, Hungary, University of Aegean, Greece and University of Lund, Sweden. (1st Year Completed in Central European University and University of the Aegean and 2nd Year Completed in University of Manchester). *Recipient of Erasmus Mundus Scholarship from European Commission.*

Result: GPA 3.59 out of 4.00

2008

Bachelor in Urban and Regional Planning: Department of Urban and Regional Planning of Bangladesh University of Engineering and Technology, Dhaka, Bangladesh.

Result: GPA 3.55 out 4.00

Working and Research Experience:

August 2016 to Present

Graduate Teaching Assistant at the Department of Geography and Sustainability Sciences, University of Iowa, USA.

January 2013 to Present (On Study Leave)

Senior Lecturer, Department of Mathematics and Natural Science, BRAC University, Bangladesh

Responsibilities:

- **Teaching** courses on environmental science and economic geography at the undergraduate level.
- Conducting any other administrative work assigned by the chairperson of the department.
- Advising First year student in their transition to the university life.

July 2013 to Present

Research associate, Center for Climate Change and Environmental Research (C3ER), BRAC University, Bangladesh.

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November 2011- January 2012 & June 2012- October 2012

Carbon Research Analyst at the Environment Investment Organization (EIO) for Preparation of Carbon Ranking Reports

Responsibilities:

- **Analyzing** carbon emission data for large companies and preparing datasets for indexing carbon rankings.
- **Conducting research** on possible ways to improve emission reporting and the strategies companies can adopt to lower their carbon footprint.
- **Writing** for the final carbon ranking reports.

January 2010-May 2010

Contributing Analyst in the Energy Security Knowledge Module for Global Energy Assessment: A project by the International Institute for Applied Systems Analysis (IIASA), Austria, to help decision makers address the challenges of providing energy services for sustainable development.

Responsibilities:

- **Conducting research and analysis** on topics related to energy security, with a special focus on assessing electricity system vulnerabilities across 200 countries.
- **Analyzing databases** containing huge amount of data, using statistical software and generate storylines and visuals from the data for establishing global energy scenarios.
- **Helping** the lead authors in **preparing the write-ups** for the final publication for the global energy assessment.

February 2007-April 2008 and February 2009- August 2009

Project Assistant for “Urban livelihood and the quest for a functional city-Reconciling informal and statutory plan institution in Dhaka, Bangladesh” under “technische universitat Dortmund”. The project is funded within the framework of the Priority Program “Megacities-Megachallenge: Informal Dynamics of Global Change”, which was launch by the German Research Foundation in 2006.

Responsibilities:

- Advising the researcher on the specific local conditions and the implications for her field work
- Assisting the research team in an **extensive field survey** regarding housing condition, infrastructure availability and land uses.
- Assisting the researcher in carrying out **empirical field research** (such as key informant interviews, solicited photography, mental maps, household interviews)
- Assisting the researcher in **processing and analyzing the data** from the field

April 2008-January 2009

Urban Planner at Data Experts (Pvt.) Ltd. for Master Plan preparation of 19 Pourashavas (Municipal area) of Rangpur Region (Package-07) under Upazila (Sub District) Town Infrastructure Development Project (UTIDP), executed by Local Government Engineering Department (LGED), Bangladesh

Responsibilities:

- Conducting extensive field visits to the project area and formulate a detailed understanding of the problems and potentials to be incorporated in the Master Plan;
- **Supervising survey and data acquisition campaign** at field level;

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- **Processing survey data & preparing detailed database** required for Master Plan preparation;
- **Assisting senior planners and other experts of the planning team** to find out the optimum solution of different urban problems of the project areas leading to a successful preparation of Master Plan for the Pourashavas (Municipality).

January 2008- March 2008

Research Assistant for “Micro-credit as a tool for Climate Change Adaptation: a case study of Hatia Upazilla, Noakhali District” Bangladesh- a Post Doctoral Research conducted by Dr. Gulshan Ara Pervin, Associate Professor, Department of Urban and Regional Planning, Bangladesh University of Engineering and Technology (BUET).

Responsibilities:

- Assisting the researcher in **data collection** through questionnaire survey, group discussion, hazard mapping and participatory rural appraisal techniques.

February 2008-March 2008

Teaching Assistant in “Urban Functionality in informal settlements: the case study of Dhaka”- a class project conducted by 3rd Bachelor Students of Department of Urban and Regional Planning of ‘technische universitat Dortmund”.

Responsibilities:

- **Guiding the students** in the study area, provide feedback of the students work and support them in data collection and processing from the field with the collaboration of the project supervisors.

Publications and Conference Presentations

1. **Rahman, Md. A.**, & Islam, S. (Accepted in 2015). Climate Change Adaptation in Urban Areas: A Critical Assessment of the Structural and Non-Structural Flood Protection Measures In Dhaka. in *Efforts to address climate change in Bangladesh*. Will be published by Springer Verlag
2. **Rahman, Md. A.**, Spiroska, J., Pal, S, and Paul, A (2012): Potential of Biomass based Electricity Generation in India: A Case Study. *Journal for European Issues 'Evrodijalog' Vol. 17: 293-312*
3. Spiroska, J., **Rahman, Md. A.** and Pal, S. (2012): Air Pollution in Kolkata: An analysis of current status and interrelation between different factors. *SEEU (South East European University) Review*. 8(1). ISSN-1409-7001.
4. Kashem, M.S.B., Chowdhury, T.A, Majumdar, J. and **Rahman, Md. A.** (2009): Quantifying Urban Form- A case study of Rajshahi city. In *Journal of Bangladesh Institute of Planners*, 2: 39-48.
5. Hackenbroch, K., Hossain, M.S. and **Rahman, Md. A.** (2008): Coping with forced evictions: adaptation processes of evicted slum dwellers in Dhaka. In: *TRIALOG - A Journal for Planning and Building in the Third World*, 98(3): 17-23.
6. Chowdhury, T. A, **Rahman, Md. A.** (2008) Urban Setting of Dhaka and the Resulting Travel Characteristics: Towards Sustainable Transport Options. In: *Town Planning in Bangladesh: Vision 2020* published by Bangladesh Institute of Planners (BIP) on World Town Planning Day, 2008.
7. Chowdhury, T.A, **Rahman, Md. A.** and Majumdar, J. (2009): Energy efficient urban system: an approach to mitigate climate change. Paper presented at ‘International Conference on Climate change impacts and adaptation strategies for Bangladesh’ in Bangladesh University of Engineering and Technology on 18-20 February 2009.

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Academic and other Achievements:

- **University Merit Scholarship** received in 3 (three) semesters for excellent semester results in Bangladesh University of Engineering and Technology.
- **University Dean Scholarship** received from the Bangladesh University of Engineering and Technology (BUET) in 3rd year.
- Took part and awarded for best design in **ECO CITY Design Competition**, jointly organized by Work for Better Bangladesh (WBB) and department of Urban and Regional Planning, Bangladesh University of Engineering and Technology in 2006-2007.