

Mohammed Syedul Islam

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EDUCATION

- **Doctor of Philosophy**, Natural Resource Economics, West Virginia University, December 2022 (Expected).
Dissertation Title: Three Essays on Health and Environmental Economics: Applications of Spatial Econometrics and Spatial Analysis
Advisor: Dr. Alan R. Collins
- **Master of Science**, Economics, Major in Health and Environmental Economics, Orebro University, Sweden, September 2011.
Dissertation Title: Economic Benefits due to Reduced Asthma Problems among Pre-school Children Caused by the Stockholm Congestion Charging.
- **Master of Social Science**, Economics, University of Chittagong, Bangladesh, 2007.
Dissertation Title: The Impact of Social Forestry Project on Poverty Alleviation: A Case Study of Mirsharai Upazila, Chittagong.
- **Bachelor of Social Sciences**, Economics, University of Chittagong, Bangladesh, 2006.

RESEARCH INTERESTS

- Environmental Economics
- Health Economics
- Urban Economics
- Natural Resource Economics
- Water Economics
- Financial Economics

TEACHING EXPERIENCE

- **Primary Instructor, West Virginia University**
ARE 150: Introductory Agricultural and Agribusiness Economics (Fall 2022)
ARE 220: Introductory Environmental and Natural Resource Economics (Spring 2022)
- **Teaching Assistant, West Virginia University**
ARE 484: Agribusiness Strategic Management (Spring 2020)
ARE 204: Agribusiness Management (Summer 2020, Fall 2020, Fall 2021)
ARE 450: Agricultural, Environmental and Resource Policy (Spring 2020)
ARE 382: Current Issues in Agriculture (Summer 2020, Fall 2020)
RESM 440: Foundations of Applied GIS (Spring 2021)
- **Department of Business Administration, International Islamic University Chittagong**
Associate Professor (2016-2018)
Assistant Professor (2012-2015)
Lecturer (2008-2011)

RELEVANT PUBLICATIONS

- **How Worthy is the Sundarbans Mangrove Forest? An Exploratory Study** (Islam, M.S.) *Environment and Natural Resources Journal*, 14(1), DOI: 10.14456/ennrj.2016.3
- **The Question of Poverty Alleviation and Environmental Sustainability through Social Forestry: A Case Study of Mirsarai Sub-district of Bangladesh** (Islam, M.S. and Dooty, E. N.). *The Indian Forester*, 141 (11).
- **Optimal Rotation Interval of Akashmoni (*Acacia auriculiformis*) Plantations in Bangladesh** (Islam, S. S., Islam, M.S., Hossain, M. A. T. & Alam, Z.). *The Kasetsart Journal (Social Sciences)*, 34 (1).
- **Health Gain via Environmental Improvement-An Economic Evaluation: A Case of Reduced Childhood Asthma Caused by the Stockholm Congestion Charging** (2012). Saarbrücken: LAMBERT Academic Publishing.

CONFERENCE PRESENTATIONS

- **The Impact of Non-Compliance for Air and Water Quality Standards on Lung and Bronchus Cancer Incidence: A Spatial Panel Data Analysis** (Islam, M.S. and Collins, A.R.), Accepted for presentation at the Fifth Annual Workshop on the Social Costs of Water Pollution 2022, Washington D.C.
- **Spillover Effects of Non-Pharmaceutical Interventions on the Reduction of COVID-19 Cases in the United States** (Islam, M.S., Collins, A.R. and Grossman, D.), Accepted for presentation at the Southern Economic Association (SEA) Annual Meeting 2022, Fort Lauderdale, FL.
- **COVID-19 in the United States: How Costly is the Urban Density?** (Islam, M.S.) Presented at the Agricultural & Applied Economics Association (AAEA) Annual Meeting 2021, Austin, TX.
- **Does Islamic Microfinance Alleviate Poverty? A Case Study from Southeastern Bangladesh** (Islam, M.S.) Presented at the International Conference on Communication, Culture and Sustainable Development: Key Issues and Challenges 2017, Aligarh, India.
- **Are Islamic Banks More Environment Friendly than Conventional banks? An Empirical Study in Bangladesh** (Islam, M.S. and Rafiq, M.R.I.) Presented at the 6th Islamic Economic System Conference 2015. Krabi, Thailand.
- **An Integrated Model Combining Islamic Tools of Zakah, Waqf, Sadaqah and Microfinance: A New Approach for Eradicating Poverty in Bangladesh** (Dooty E.N. and Islam, M.S.) Presented at the 6th Islamic Economic System Conference 2015. Krabi, Thailand. (Awarded as Best Paper)
- **Green Campus: A New Roadmap to Combat Climate Vulnerability** (Islam M.S. and Dooty, E.N.) Presented at the 12th International NEWS Conference on Globalization of Higher Education and the Role of Universities 2015. Kathmandu, Nepal.
- **Social Entrepreneurship in Forestry: Bangladesh Context** (Islam M.S. and Dooty, E.N.) Presented at the International Conference on Business Innovation, Entrepreneurship, and Engineering 2013. Penang, Malaysia.

RESEARCH IN-PROGRESS

- **Decarbonization of Cities: Myth or Reality?** (Islam, M.S., Mekky, M.F., Etienne, X. and Dooty, E.N.), Submitted to *Environmental Economics and Policy Studies* (under review).
- **The Impact of Non-compliance for Air and Water Quality Standards on Lung and Bronchus Cancer Incidence: A Spatial Panel Data Analysis** (Islam, M.S., Collins, A.R. and Lacombe, D.J.), Manuscript in preparation for submission to *Papers in Regional Science*.
- **Spillover Effects of Non-Pharmaceutical Interventions on the Reduction of COVID-19 Cases in the United States** (Islam, M.S., Collins, A.R. and Grossman, D.), Manuscript in preparation for submission to *Health Economics*.
- **Coal mining and opioid crisis in Appalachia: A geospatial modeling approach** (Islam, M.S. and Collins, A.R.), Manuscript in preparation for submission to *Journal on the Studies of Alcohol and Drugs*.
- **Crude Oil Futures Contracts and Foreign Exchange Markets: Evidence from a TVP-VAR Extended Joint Connectedness Approach** (Alam, M.R., Forhad, M.A.R. and Islam, M.S.) Manuscript in-progress.

REVIEWER

- **Environment and Natural Resources Journal.** 2019, 2021, 2022.

TRAINING & WORKSHOPS

- **R for Spatial Analysis, 2022**
WVU Regional Research Institute
- **19th International Workshop on Spatial Econometrics and Statistics, 2021**
Nantes, France.
- **Interdisciplinary PhD Workshop in Sustainable Development (IPWSD), 2021**
Sustainable Development Doctoral Society, Columbia University.
- **Valuing Changes in Health and Longevity, 2021**
Society for Benefit-Cost Analysis (SBCA).
- **Human & Ecosystem Health in Coastal Systems, 2021**
U.S. Coastal Research Program (USCRP).
- **Summer School in Urban Economics, 2020**
Urban Economics Association (UEA)
- **Professional Grant Development Workshop, 2020**
Grant Training Center, VA, USA.
- **Data Envelopment Analysis, 2018**
Center for Research and Publication (CRP), International Islamic University Chittagong.
- **Research Methodology and Data Analysis by SPSS, 2018**
Center for Research and Publication (CRP), International Islamic University Chittagong.
- **The UNCCD Process, 2016**
United Nations Convention to Combat Desertification (UNCCD).
- **Applied Academic Research Training Program, 2011**
World Business Institute, Australia.
- **Computer Applications in Economics, 2006-2007**

Department of Economics, University of Chittagong, Bangladesh.

- **The Gender Orientation Programme, 2005**

Department of Women's Studies, University of Dhaka, Bangladesh.

GRANTS & SCHOLASTIC ACHIEVEMENTS

- **Graduate Student Enhancement Grant** (Fall 2022): \$2,000 awarded by the Davis College of Agriculture, Natural Resources and Design, West Virginia University.
- **The AAEA Travel Grant 2021:** \$1,000 awarded by the Agricultural & Applied Economics Association (AAEA), Milwaukee, WI 53202, USA.
- **Office of Global Affairs Scholarship** (Spring 2021, Summer 2020): a total of \$3,000 awarded by the Office of Global Affairs, West Virginia University.
- **Graduate Student Enhancement Grant** (Spring 2021): \$300 awarded by the Davis College of Agriculture, Natural Resources and Design, West Virginia University.
- **Special Grant** (Summer 2020): \$550 awarded by the Division of Resource Economics and Management, West Virginia University for attending Professional Grant Development Workshop 2020 organized by the Grant Training Center, USA.
- **Research Grant** (2007): BDT 6,500 for conducting project required for the course of "Econometrics: Methods and Applications" awarded by the Department of Economics, University of Chittagong, Bangladesh.
- **CUEESA Annual Talent Award 2006** (April 2006): BDT 6,000 for academic excellence awarded by Chittagong University Ex-Economics Students Association (CUEESA).

MEMBERSHIP

- American Economic Association (AEA)
- Agricultural & Applied Economics Association (AAEA), Milwaukee, WI
- American Society of Health Economists (ASHEcon), Washington, D.C.
- Southern Economic Association (SEA), Texas.
- Bangladesh Economic Association (BEA), Member ID 2877, Dhaka.
- Graduate Resource Economics Club (GREC), West Virginia University.

SKILLS

- MS Office, SPSS, STATA, ArcGIS, ArcGIS Pro, MATLAB