



Israt Hossain

PROFESSIONAL SUMMARY

Focused on achieving excellence in research economics to contribute in the national as well as global economy with my research outcome.

Research Papers (in progress)

Hossain I. Implications of Exchange Rate Regimes for Foreign Reserves: Direct and Indirect Pathways through Macroeconomic Variables.

Raihan S., Hossain I., Roy S. & Islam I. Towards Optimal Energy Use: Estimating Industrial Efficiency and Mapping Policy Needs in Bangladesh.

Hossain I. How influential is the Global Value Chain Involvement for A Country's Trade Openness? The Case of Apparel Industry of the top exporters.

Hossain I. & Sharmin E. Does energy trade impact energy intensity?

Research Reports

Raihan, S., Hossain, I., Hasan, E., & Ahmed, M. T. (2025). Investment Needs for Renewable Energy in Bangladesh. SANEM Publications, Dhaka, Bangladesh. https://sanemnet.org/wp-content/uploads/2025/02/Final_Report_RE_Investment_SANEM.pdf

Raihan, S., Bidisha, S. H., Islam, K. M., Hossain, I., Ahmed, M. T., Chowdhury, O. R., Asaduzzaman, M., and Aahad, A. (2024). Estimating Costs of LNG-based Power Generation and Devising Alternatives Pathways towards Green and Clean Energy. SANEM Publications, Dhaka, Bangladesh. https://sanemnet.org/wp-content/uploads/2024/04/Final_Report_LNG-Cost-Estimation-and-Sustainable-Alternative-Energy-Pathways_SANEM.pdf

Raihan, S., Hossain, I., Roy, S., Islam, I., & Ahmed, A. (2025, November). Towards optimal energy use: Estimating industrial efficiency and mapping policy needs in Bangladesh. SANEM.

Policy Paper

Raihan, S., Hossain, I., Roy, S., Islam, I., Patwary, A. A., Ahsan, S. A. A., Surfaraz, M. S., Maruf, A. A., Ahmed, M. M., Rana, S., Mia, M. M., Hassan, M., & Majumder, K. A. (2025, November). Bangladesh industrial energy efficiency policy: A draft for sustainable progress. SANEM; DCCI.

Policy Brief

Raihan, S., Hossain, I., Roy, S., & Islam, M. I. (2026). Reconciling economic growth and sustainability: A comprehensive framework for industrial energy efficiency in Bangladesh. SANEM.

Raihan, S., Hossain, I., Hasan, E., & Ahmed, M. T. (2025). Investment Needs for Bangladesh's Renewable Energy Transition. SANEM Publications, Dhaka, Bangladesh. <https://sanemnet.org/wp-content/uploads/2026/01/Investment-Needs-for-Bangladeshs-Renewable-Energy-Transition.pdf>

CONTACT



Lalmatia, Dhaka-1207, Bangladesh



+8801738300653



hossain.israt698@gmail.com

SKILLS

- Graduate Course works Courses from University of Oklahoma: Advanced Price/Welfare Theory, Mathematical Economics I, Advanced Macro & Growth Theory, Advanced Econometrics, Seminar-Price & Welfare Theory, Seminar-Macro & Growth Theory, Econometrics ii & iii
- Courses from University of Dhaka: Microeconomic Theory, Macroeconomic Theory, Time Series Econometrics, Panel data and Non-linear Econometrics, International Trade Theory.

LANGUAGES

English

Fluent

Bangla

Native

SOFTWARE SKILLS

- STATA
- R
- MATLAB
- LATEX
- GAMS
- Microsoft Office

Raihan, S., Bidisha, S. H., Islam, K. M., Hossain, I., Ahmed, M. T., Chowdhury, O. R., Asaduzzaman, M., and Aahad, A. (2024). Estimating Costs of LNG-based Power Generation and Devising Alternatives Pathways towards Green and Clean Energy. SANEM Publications, Dhaka, Bangladesh. <https://sanemnet.org/wp-content/uploads/2024/05/Policy-Brief-on-Estimating-Costs-of-LNG-based-Power-Generation-and-Devising-Alternatives-Pathways-towards-Green-and-Clean-Energy.pdf>

Project involvement

1. To explore a sustainable pathway for Bangladesh's energy transformation towards green and clean energy. In collaboration with Tara Climate Ltd. (Phase-1: September 2022-August 2023); (Phase-2) September 2023-August 2024); Phase-3(January 2025-December 2025)

(Phase-1: September 2022-August 2023);

- Estimating Costs of LNG-based Power Generation and Devising Alternatives Pathways towards Green and Clean Energy

(Phase-2: September 2023-August 2024);

- Assessing the Investment Needs for a Transition to Renewable Energy in the Power Sector of Bangladesh by 2041.

(Phase-3: January 2025-Present)

- The reduction of the existing VAT/Tax/Duties on RE equipment (such as panel, inverters, cables etc.) potential for RE acceleration aiming to significantly reduce the existing gas/LNG dependent power generation;
- An assessment of rules and regulations necessary to improve energy efficiency in the industrial sector, incorporating business group [such DCCI] to take their stakes for the sector and identifying key areas for improvement to foster sustainable growth.

(Phase-4: February 2026-Present);

- A Supply Chain Strengthening Plan for Renewable Technologies (such as solar, wind, hydro, and biomass) in order to ensure competitive, efficient, resilient, and cost-effective deployment of renewable energy, reduce import dependence, and accelerate the country's transition to a sustainable energy system.

2. Baseline survey and create evidence on perceptions, knowledge, and attitude towards MHPSS issues among adolescents and youth in Rohingya camps and host community. In collaboration with the UNFPA, Bangladesh. (March 15,2023-December 31,2023)

3. Study on Expanding Private Investment in the Context of LDC Graduation. In collaboration with the Economic Relation Division, Ministry of Finance, Bangladesh. (January 23, 2023- December 12, 2023)

4. A Scenario-Based Macroeconomic Projection & National Energy Demand Forecasting: A Foundational Input for the Revised IEPMP. In collaboration with the Energy and Mineral Resource Division, Government of Bangladesh. (October 2025- Present)

WORK HISTORY

Director 06/2025 - Current

SANEM

- *Lead and contribute to SANEM's priority research.*
- *Secure external funding and develop high-quality EoIs/proposals.*
- *Guarantee rigor and quality in relevant external submissions.*
- *Establish and head the SANEM Centre for Climate Change and Energy Economics and expand its portfolio.*

Senior Research Associate 09/2021 – 05/2025

SANEM

- *Conducting Key Informant Interview (KII),*
- *Focused Group Discussion,*
- *Primary Survey,*
- *Data Analysis through STATA*

Lecturer 09/2015- 08/2021

Daffodil International University - Bangladesh

- Teaching Microeconomics, Macroeconomics & International Economics
- Counselling Students on academic and non-academic issues
- Research work development.

Graduate Teaching Assistant

University of Oklahoma - USA

08/2018 – 05/2020

- Assisting Professors with making teaching materials and question papers as well as checking exam scripts
- Counselling students after class
- Assisting Professors with their research work.

EDUCATION

Master of Arts: Economics, 2025(Passing Year)

University of Oklahoma - United States

Master of Social Science: Economics, 2015(Passing Year)

University of Dhaka - Dhaka

Bachelor of Social Science: Economics, 2014 (Passing Year)

University of Dhaka - Dhaka

Academic and Professional Development

Conference Participation

Presented the paper "*Hossain I. & Sharmin M. Does energy trade impact energy intensity?*" in the conference: *Shocks and Development Strategies: Towards a Resilient South Asia. SANEM-World Bank Fourth North America Discussion Forum 2023.*

Presented the paper "*Hossain I. Implications of Exchange Rate Regimes for Foreign Reserves: Direct and Indirect Pathways through Macroeconomic Variables*" in the **9th South Asian Economists' Conference, 2026.**

Workshop and Trainings

- Professional Ethics Training, University of Oklahoma
- SANEM (South Asian Network on Economic Modeling) Training Program on Cutting Edge Methods in Applied International Trade.
- Teachers Training on Participatory Engaging Teaching (PET) held at Daffodil International University.

Member of Trade negotiator Pool: Organized by Ministry of Commerce, Government of Bangladesh and UNDP.

Certifications and Licenses

Course Name: Economics of the clean energy transition, Stanford Online, USA

[Course Certificate Link](#)

Course name: Grid System and Integration of Renewables Training, Agora Energiewende

[Course certificate Link](#)

Training: Input Output Table (IOT), Social Accounting Matrix (SAM), and Computable general Equilibrium Modelling (CGEM), General Economics Division (GED), Bangladesh Planning Commission

[Certificate Link](#)

Orientation Workshop for Trade negotiators Pool
Ministry of Commerce, Bangladesh

[Certificate Link](#)

Referees

- Dr. Selim Raihan, Professor, University of Dhaka; Executive Director, SANEM (South Asian Network on Economic Modeling).
- Atonu Rabbani, Associate Professor, Department of Economics, University of Dhaka, +8801730441787, atonu.rabbani@gmail.com
- Dr. Ummul Hasanath Ruthbah, Associate Professor, Department of Economics, University Of Dhaka, uhasanath@yahoo.com, 880-2-9661900/6462