

MD MOHSIN HOSSAIN

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EDUCATION

University of Dhaka

2021 – 2022

M.S.S in Development Studies (Major: Development Economics)

- Relevant coursework: Advanced Political Theories, Advanced Econometrics, Advanced Research Methodology (Qualitative and Quantitative).

University of Dhaka

2017 – 2021

B.S.S in Development Studies

- Relevant coursework: Public Policy Process, Agriculture and Rural Development, Environment and Sustainable Development, Statistics, Basic Econometrics.

PROFESSIONAL EXPERIENCE

Senior Research Associate

July 2025 – Present

BRAC Institute of Governance and Development (BIGD), BRAC University

- Lead research on climate change, internal migration, water security, and policy implementation under senior supervision.
- Apply mixed methods, panel econometrics (Difference-in-Differences, quasi-experimental designs), and geospatial data workflows.
- Coordinate field teams and stakeholders, support proposals and grant deliverables, and produce technical reports and presentations.

Research Associate

December 2022 – June 2025

BRAC Institute of Governance and Development (BIGD), BRAC University

- Implemented mixed-method research from protocol and instrument development through field supervision, data quality assurance, analysis, and reporting.
- Contributed quantitative and qualitative analysis for project reports and publications.

Trainee Research Associate (YRF Program)

June 2022 – December 2022

BRAC Institute of Governance and Development (BIGD), BRAC University

- Completed structured training in research design, data collection, analysis, and reporting while supporting field and desk research tasks.

SELECTED PROJECTS

ONGOING Climate Shocks and Internal Migration in Bangladesh: Causal Evidence and Origin–Destination Mapping for Proactive Policy

- Co-Principal Investigator; contributed to grant development, identification strategy, and analysis plan.
- Conduct econometric modeling and geospatial harmonization using BIHS panel data and satellite climate exposure data.

ONGOING RCT Study on Bricks to Blocks: Information and Coordination Challenges for Transitioning to a Cleaner Building Technology

- Co-developed winning proposal and contributed to study design and implementation planning.
- Contributed to survey instrument development, IRB preparation, SurveyCTO programming, piloting, and enumerator training.

COMPLETED Enhancing Safe Drinking Water Security and Climate Resilience Through Rainwater Harvesting

- Designed quantitative and qualitative tools and coordinated field implementation processes.
- Conducted analysis and contributed to project reporting focused on water security and resilience outcomes.

COMPLETED Bricks to Blocks: An Exploratory Study of Policy and Practices in the Construction Sector of Bangladesh

- Supported instrument development, key informant interviews, and mixed-method analysis.
- Presented findings at the 12th South Asia Economic Policy Network Conference on Green Growth.

COMPLETED Exploring the Risk of Forced Labor and Human Trafficking Among Climate-Induced Displaced Populations Living in Urban Slums in Bangladesh

- Co-authored proposal and contributed to study planning with international and local partners.
- Prepared survey instruments and IRB submission materials for implementation.

Additional projects, methods, and collaborators are available at: mdmohsinhossain.github.io/research

PUBLICATIONS & PRESENTATIONS

- **Conference Presentation:** Bricks to Blocks: The Policy and Practice in the Construction Sector of Bangladesh, 12th South Asia Economic Policy Network Conference on Green Growth, Renaissance Dhaka Gulshan Hotel, October 30–31, 2023. [Slides]
- **Op-Ed:** From Bricks to Blocks: Overcoming Challenges for Sustainable Construction in Bangladesh.

METHODS & TOOLS

Quantitative Methods: RCT Implementation, Panel Data Analysis, Difference-in-Differences, Quasi-experimental Methods

Qualitative Methods: Thematic Analysis, Interview and FGD Protocol Design

Research Development: Grant Proposal Writing, Literature Review

Data Collection & Field Operations: SurveyCTO, Survey Instrument Development, Field Team Coordination, Stakeholder Communication, Timeline Tracking

Statistical & Analytical Tools: Stata, R, Python, NVivo

Web & Documentation: HTML, CSS, Markdown, $\text{\LaTeX}$

Collaboration & Productivity: VS Code, GitHub, Google Workspace, Microsoft Office Suite, Linux (OS)

AWARDS & CERTIFICATIONS

Small Area Estimation Using Geospatial Data

May 13–16, 2026

Oxford Policy Management (OPM) – DEEP Programme. 3-day residential training at Shaldah Eco Resort, Gazipur. Facilitated by Prof. Nikolaos Tzavidis and Luciano Perfetti (University of Southampton). Covered area-level models, unit-level models for poverty mapping, Bayesian estimation, remote sensing covariates, and machine learning in SAE using R (emdi, survey, rstan).

Research Staff Training 2024

August 25–30, 2024

Jointly hosted by J-PAL South Asia and Innovations for Poverty Action (IPA), South Goa, India. Five-day intensive covering survey instrument design, data collection, research protocols, and field management for randomized evaluations.

Social-Behavioral-Educational (SBE) Basic Issued September 2023, Expires September 2026

CITI Program. Human subjects research ethics and IRB compliance certification.

Government Honours Scholarship

2023 (General)

Based on overall performance during undergraduate studies

Young Researchers' Fellowship (YRF) and Quantitative Methods Training 2022

BIGD, BRAC University; competitive fellowship award (USD 2,000) and six-month training in Basic and Applied Econometrics, Advanced Stata, sampling, survey instrument development, SurveyCTO, research communication, ethics, and academic writing (completed December 15, 2022).

Government Board Scholarship

2017 (General)

Based on Alim examination results (Higher Secondary Certificate equivalent)

SERVICE & LEADERSHIP

Member

2017 – 2021

Physically-Challenged Development Foundation (PDF)

- Volunteered as a writer for visually impaired students during university examinations.

Youth Engagement and Support (YES) Member

2017 – 2020

Transparency International Bangladesh (TIB)

- Conducted awareness activities with university students on anti-corruption and civic responsibility.

REFERENCES

Dr. Munshi Sulaiman

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Dr. Asif M. Shahan

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