

# Md Ohiul (Ohi) Islam

Reno, NV 89503 | +1 (269) 267-8755 | [mdohiul.islam@wmich.edu](mailto:mdohiul.islam@wmich.edu); [oislam@unr.edu](mailto:oislam@unr.edu)

LinkedIn: <https://www.linkedin.com/in/mdohiulislam/>

Website: <https://sites.google.com/view/mdohiulislam/home>

## EDUCATION

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**Ph.D. in Applied Economics** | Western Michigan University | June 2022

- **Dissertation Title:** Three Essays in the Economics of Education (Advisor: Dr. Jean Kimmel)
- **Fields of Specialization:** Labor Economics, Economic Development, International Economics

**MA** in Economics | Western Michigan University | December 2017

**MSS** in Economics | University of Dhaka | September 2013

**BSS** in Economics | University of Dhaka | August 2012

## ACADEMIC POSITIONS

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**Postdoctoral Instructor, Department of Economics, University of Nevada** | since August 2022

- **Courses Delivered:** Principles of Microeconomics, Intermediate Macroeconomics, Money and Banking, Principles of Statistics I & II), and Introductory Econometrics (for both graduate and undergraduate students).

**Visiting Lecturer, Department of Economics, State University of New York at Oneonta** | January 2022 - May 2022

- Teaching three Sections of Principles of Economics. Class size: 45-55
- Assumed additional teaching responsibilities to cover for faculty members on parental leave, ensuring the continuity of instruction and student support during their absence.

**Instructor of Record, Department of Economics, Western Michigan University** | January 2019 - April 2020

- **Courses Delivered:** From Fall 2019 to Spring 2020, teaching an independent section of the Principles of Microeconomics with full pedagogical control. Class size: between 45-55.
- Successfully transitioned from in-person to online instruction after campus closure due to COVID-19 related health crisis in Spring 2020.

**Graduate Assistant, Department of Economics, Western Michigan University** | Sept' 2016 – December 2021

### Teaching responsibilities

- Between Fall 2016 and Fall 2021, in six semesters assisted in teaching multiple courses such as Labor Economics, Money and Banking, Intermediate Macroeconomics, Intermediate Microeconomics, Econometrics, Economics of Immigration in fall 2021. Worked as a TA, teaching excel data analysis.

### Research responsibilities

- Assisted in creating new administrative data on Japanese Manufacturing Firms from the 1980s. Assisted in multiple projects by conducting analysis on secondary data from National Center for Education Integrated Public Use Microdata Series (IPUMS), IAB Labour Market Database, IPEDS and NCES data, and NSF datasets such as National Survey of College Graduates.

## WORKING PAPERS

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- The Impact of Water Quality on Children's Education: Evidence from 39 Districts in the Ganges Basin of India *with Moumita Ghorai*  
- Conditionally accepted at **Environment and Development Economics** on December 19, 2023.
- Wage Dynamics in U.S. STEM: The Role of Immigration Status and Policy  
- Revised and resubmitted manuscript on January 4, 2024 to **Research Policy**
- Heterogeneous Impact of Teacher-Student Demographic Mismatch on Science-Math Achievement  
- Under review at **Journal of Applied Economics**, submitted paper on January 25, 2024.
- A rare-events logistic model approach to examine the heterogeneous impact of the 2015 Nepal earthquake on preterm birth with *Moumita Ghorai* (Submitted to **Scientific Reports**)
- Struggling Against the Heat: Socioeconomic Disparities and Mortality Risks in Urban and Rural India with *Moumita Ghorai* (Submitted to **Journal of Rural Studies**)
- The Role of Parents' STEM Occupation in Children's STEM Major Choice *with Jean Kimmel*
- Migration and Education Choices: How Low-Skilled Migration Shapes the Educational Attainment of Mexican Youth *with Eskander Alvi*

## WORKS IN PROGRESS

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- Temperature Shocks and Health Outcomes in Bangladesh *with Moumita Ghorai*
- Predicting Minority STEM Attrition: Leveraging Machine Learning for Retention Policy-making
- Are Racial and Gender Wage Differentials Pervasive in the STEM Labor Market?

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## CONFERENCES WITH PRESENTER AND DISCUSSANT ROLES

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- Annual use-R Conference, Salzburg, Austria, July 2024 (scheduled to present)
- Annual Meeting of Midwestern Economics Association Conference, March 2019 and 2024
- Annual Data Science Conference, University of Nevada, Reno, March 2024
- Southern Economic Association's 93<sup>rd</sup> Annual Meeting, November 2023
- Western Michigan University Economics Conference, June 2022
- Annual Meeting of Omicron Delta Epsilon Honorary Society in Economics, SUNY Oneonta, March 2022
- Annual Meeting of Michigan Academy of Sciences, Arts, and Letters (MASAL), September 2022
- Annual Meeting of Michigan Academy of Sciences, Arts, and Letters (MASAL), September 2020
- Sustainability and Development Conference, University of Michigan, November 2019

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## OTHER PROFESSIONAL SERVICES

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### Peer Reviewer

- Research Policy and Environment, Development, and Sustainability

### Participant, UC Berkeley Replication Game, Institute for Replication | March 2024

- Reproduced results and conducted robustness analysis of a widely cited research work.

### Member, American Federation of Teachers | since September 2016

- Supported and participated in teaching community engagement campaigns in Kalamazoo, Michigan focusing on worker empowerment, better pay, benefits, and safer workplaces.

### Member, Graduate Student Association, Western Michigan University | September 2016-June 2022

- Supported the organization of monthly student council meetings, research paper competitions, and Make-a-Difference Awards as a member.
- Provided feedback in the development of selection criteria for various student grants.

### Deputy Director, Bangladesh Bank (The Central Monetary Authority of Bangladesh) | June 2014 – July 2016

- Tracking industry-level and firm-level FOREX outflow from the country as a part of aggregate capital account transfer monitoring. Enforcing FOREX repatriation orders in the case of FOREX law violation by individual firms.
- Engaging in discourse with non-Governmental stakeholders in improving the FOREX outflow monitoring process. Writing and presenting industry-level quarterly FOREX outflow reports for government stakeholders.

### Staff Researcher, Bangladesh Rural Advancement Committee (BRAC) | February 2014 – May 2014

- On-the-field survey inspection in four different districts for the randomized program, "Challenging the Frontiers of Poverty Reduction—Targeting the Ultra Poor" or CFPR-TUP. Program treatment: free livestock to rural women in different districts of Bangladesh.
- Monitoring quality of survey inputs: Randomly selected and interviewed respondents to check if enumerators properly recorded information. Directed enumerators on clearly asking interview questions and writing down answers.

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## GRANTS AND AWARDS

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| • Higher Education Emergency Relief Grant, Western Michigan University   | March 2021 |
| • Graduate Degree-Completion Scholarship, Western Michigan University (competitive)                              | April 2021 |
| • Graduate Student Travel Grant, Graduate Students' Association, Western Michigan University                     | Sept' 2019 |
| • Certification Grant, Graduate Students' Association, Western Michigan University (competitive)                 | Sept' 2019 |
| • Teaching Assistants' Union Travel Grant, Western Michigan University (competitive)                             | June 2018  |
| • Bangladesh Education Board Scholarship for Excellent Performance in Higher Secondary Public Exam (competitive) | July 2007  |

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## SOFTWARE

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STATA, R, SQL, PYTHON, LATEX, MS EXCEL, QGIS

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## REFERENCES

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- **Jean Kimmel**, Professor of Economics, Western Michigan University  
email: [jean.kimmel@wmich.edu](mailto:jean.kimmel@wmich.edu) ; Phone: (269) 873-1040
- **Christine Moser**, Professor of Economics, Western Michigan University  
email: [christine.moser@wmich.edu](mailto:christine.moser@wmich.edu) ; Phone: (269) 387-5542
- **Elliott Parker**, Professor and Chair of Economics, University of Nevada-Reno  
email: [elliottp@unr.edu](mailto:elliottp@unr.edu) ; Phone: (775) 764-6408
- **Eskander Alvi**, Professor of Economics, Western Michigan University  
email: [eskander.alvi@wmich.edu](mailto:eskander.alvi@wmich.edu) ; Phone: (269) 387-5547