

# Jheelum Sarkar

Ph.D.Student · Economics  
American University, Washington, DC, USA



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## Summary

Research interests in Environmental Economics, Labor and Development Economics. Skilled in interdisciplinary research and large-scale survey data analysis to inform policy decisions. Expertise in impact evaluations, inequality, and labor market. Committed to applied economics research to drive sustainable development.

## Education

### Ph.D. in Economics (ongoing)

AMERICAN UNIVERSITY

Washington, DC, USA

Aug. 2022 - Present

### M.A. in Economics

AMERICAN UNIVERSITY

Washington, DC, USA

Aug. 2022 - Aug. 2024

### M.Phil. in International Trade and Development

JAWAHARLAL NEHRU UNIVERSITY (JNU)

New Delhi, India

Aug. 2020 - Jun. 2022

- Thesis: *Welfare Effects of Extreme Climate Events on Mountain and Coastal Communities in India: A Case Study*

- Advisor: Prof. Meeta K. Mehra

### M.A. in Economics with Specialization in World Economy

JAWAHARLAL NEHRU UNIVERSITY (JNU)

New Delhi, India

Aug. 2018 - Jul. 2020

- Project: *Short Run Impact of Climate Change on Agriculture in India*

### B.Sc. (Hons.) in Economics

LADY BRABOURNE COLLEGE, UNIVERSITY OF CALCUTTA

Kolkata, India

Jul. 2015 - Jun. 2018

- Thesis: *Structure of Employment in India*

## Work in Progress

- Sarkar, J. (2025). [Impact of Flood on Labor Market through Gender Lens: A Case from India.](#)
- Sarkar, J. (2025). *Demonetization, the Digital Gender Gap, and Human Capital Investment in India*
- Sarkar, J. (2025). *Buffering the Blow: Impact of Credit Accessibility on Female Self-Employment during COVID 19 Crisis in India.*
- Sarkar, J. (2025). *Environmental Justice and Enforcement of Pollution Standards* (with Phuong Ho, Bianca Cecato and Almira Salimgarievaa).

## Working Papers

- Sarkar, J. (2024). *Climate Shocks and Women's Time Poverty in India.* Cambridge Open Engage:10.33774
  - Featured as Guest Blog in [Revaluing Care Economy Working Paper Series](#)
- Sarkar J. (2024). [Linking Climate Change with Economic Inequality. A Review Essay.](#) SSRN: 4814257
- Bhattacharya, G., Mehra, M.K., & Sarkar J. (2024). *Welfare Effects of Catastrophic Climate Events on Mountain Communities: A Case Study from India on the Uttarakhand Flash Floods.* SSRN: 4661678

## Publication

Sultana, N., Sarkar, J., & Meurs, M. (2024). *Climate Change-Induced Migration: A Gendered Conceptual Framework. Migration and Diversity*, 3(2), 215-233.

## Research Experience

### Summer Research Assistant

ADVISOR: DR. ELIZABETH STATON

Applied Economics Clinic, Remote

May 2025 — Aug 2025

- Conduct Literature Reviews, Assist in Survey Preparations, Writing Policy Memos
- Collect Data, Manage Research Database, Run Data Analysis

### Floods and Labor Market through Gender Lens: A Case from India

ADVISOR: DR. KELLY M. JONES

American University, DC, USA

Aug 2025 — May 2025

- Develop Flood Exposure Measure using information from Google Earth Engine and Census Data
- Utilize Difference-in-Difference Strategy to estimate causal relationship between flood and labor market outcomes by gender.

## Government Housing and Entrepreneurship in Indian Slums

WITH DR. GARIMA SHARMA

- Analyzed qualitative data using ATLAS.ti from primary surveys of slum dwellers in Orissa, India.
- Demonstrated relationship between dignity of dwelling and social entrepreneurship.

American University, Washington, DC, USA

May 2024 — Aug 2024

## Pew Research Center Dataset Analysis on Religion and Cultural Trends

WITH PROF. BORIS GERSHMAN

- Extracted and cleaned a multi-country, multi-wave dataset on religious pluralism in South and Southeast Asia.
- Studied inter-temporal trends in cultural beliefs, attitudes, and values, including variations by religion, educational attainment, socioeconomic background, and gender.

American University, Washington, DC, USA

June 2024 — July 2024

## Transformations and Resilience of Pastoral Systems Amidst Rapid Social-Environmental Changes in Mongolia

WITH PROF. MIEKE MEURS

- Developed a theoretical framework to study the intersection of climate change, migration and household decision-making through gender lens.
- Performed systematic literature reviews on climate change, migration, bargaining power and household dynamics with special focus on Mongolia.

American University, Washington, DC, USA

June 2023 — Aug 2023

## Mapping Climate Risk Index: A Case Study of Ladakh, India (Knowledge for Climate Project)

WITH PROF. MEETA K. MEHRA

(In collaboration with University of Zurich, University of Bern, and ETH Zurich, Switzerland)

- Developed a quantitative Climate Risk Index for sub-districts in Ladakh, India, using Principal Component Analysis.
- Performed inter-temporal analyses and simulations using detailed demographic, socioeconomic, and physical data at the sub-district level.

JNU, New Delhi, India

June 2020 -July 2021

## COVID-19 and Green Recovery in South Asia: Opportunities for Recovering Better

WITH PROF. MEETA K. MEHRA

(Commissioned by Council for Strategic and Defense Research)

- Developed policy menus for sustainable recovery from the pandemic.
- Focused on the enormous green potential within South Asian countries such as green transport systems, climate-friendly infrastructure, green manufacturing, decarbonizing transitions.

JNU, New Delhi, India

Dec 2020 -Feb 2021

## Professional Experience

### Editor, Kogod Sustainability Review

WITH KOGOD BUSINESS SCHOOL

- Edited and reviewed articles, working closely with authors and the editorial board to ensure accuracy, clarity, and adherence to guidelines.
- Developed compelling content on sustainability and business practices.

American University, Washington, DC, USA

May 2024 — Present

## Teaching Experience

### ECON 623: Applied Econometrics I

TEACHING ASSISTANT OF [DR. NATALIA RADCHENKO](#)

- Taught students one-on-one in office hours, conduct in-class lectures and graded exams

American University, Washington, DC, USA

Spring 2025

### ECON 322: Applied Econometrics I

TEACHING ASSISTANT OF [DR. PAUL SULLIVAN](#)

- Taught students one-on-one in office hours, graded assignments and exams

American University, Washington, DC, USA

Spring 2025

### ECON 373: Labor Economics

TEACHING ASSISTANT OF [DR. PAUL SULLIVAN](#)

- Taught students one-on-one in office hours, graded assignments and exams

American University, Washington, DC, USA

Spring 2025

### ECON 824: Advanced Econometrics

TEACHING ASSISTANT OF [DR. AMOS GOLAN](#)

- Taught students one-on-one in office hours and graded exams

American University, Washington, DC, USA

Fall 2024

### ECON 150: Economics for Business

TEACHING ASSISTANT OF [DR. MARY E. HANSEN](#)

Taught students one-on-one in office hours and graded exams

American University, Washington, DC, USA

Spring 2024

## ECON 803: Microeconomic Analysis

TEACHING ASSISTANT OF [DR. SUNH AH BAHK](#)

- Taught students one-on-one in office hours and graded exams

American University, Washington, DC, USA

Fall 2023

## ECON 300: Intermediate Microeconomics

TEACHING ASSISTANT OF [DR. SUNH AH BAHK](#)

- Taught students one-on-one in office hours and graded exams

American University, Washington, DC, USA

Fall 2023

## ECON 200: Microeconomics

TEACHING ASSISTANT OF [DR. DANIEL LIN](#)

- Graded exams and maintaining log files

American University, Washington, DC, USA

Spring 2022

## ECON 100: Macroeconomics

TEACHING ASSISTANT OF [DR. BERNHARD GUNTER](#)

- Taught students one-on-one in office hours and graded exams

American University, Washington, DC, USA

Fall 2022

## Conferences & Workshops

### Fourth Global Carework Summit

PRESENTED WORK ON IMPACT OF CLIMATE SHOCKS ON GENDER DIVISION OF LABOR

Durham, NC, USA

February 2025

### Eastern Economic Association

PRESENTED WORK ON IMPACT OF CLIMATE SHOCKS ON GENDER DIVISION OF LABOR

New York City, NY, USA

February 2025

### Revaluing Care in the Global Economy Workshop, Duke University

PRESENTED WORK ON CLIMATE SHOCKS AND WOMEN'S TIME POVERTY

Duke University (virtually)

September 2024

### Levy Institute Gender Workshop

PRESENTED WORK ON IMPACT OF CLIMATE SHOCK ON GENDER DIVISION OF LABOR

Levy Institute, NY, USA

September 2024

### Eastern Economic Association

PRESENTED WORK ON IMPACT OF CLIMATE SHOCK ON WOMEN'S UNPAID LABOR

Boston, MA, USA

March 2024

### International Society for Ecological Economics, European Ecological Economics, and Degrowth

PRESENTED WORK ON IMPACT OF CLIMATE EXTREMES ON HOUSEHOLD WELFARE IN MOUNTAINS

virtually

July 2021

### Water Security and Climate Change Conference

PRESENTED WORK ON IMPACT OF CLIMATE EXTREMES ON EARLY CHILD MARRIAGES

Hanoi, Vietnam (virtually)

July 2021

## Awards & Scholarships

- **4th Barbara Bergmann Graduate Fellowship for Gender Research**  
WITH DEPT. OF ECONOMICS

American University, Washington, DC, USA

May 2024 — Aug 2024

- **Graduate Merit Fellowship**  
WITH DEPT. OF ECONOMICS

American University, Washington, DC, USA

Aug 2022 — Present

- **Third Prize for Best Performance in the B.Sc. Economics program**  
WITH DEPT. OF ECONOMICS

Lady Brabourne College, Kolkata, India

Dec. 2018

## Skills

### Coding Skills

Stata, R, ArcGIS, Google Earth Engine, TEX

### Languages

English (fluent), Bengali (native), Hindi (fluent)

## References

- Dr. **Kelly M. Jones**, Dept. of Economics, American University, Washington, DC 20016, USA. Email Address – [kmjones@american.edu](mailto:kmjones@american.edu)
- Prof. **Mieke Meurs**, Dept. of Economics, American University, Washington, DC 20016, USA. Email Address - [mmeurs@american.edu](mailto:mmeurs@american.edu)
- Prof. **Meeta K. Mehra**, Centre for International Trade and Development, Jawaharlal Nehru University, New Delhi 110067, India. Email Address - [meetakm@jnu.ac.in](mailto:meetakm@jnu.ac.in)