

# Jheelum Sarkar

Ph.D. Student · Economics

American University, Washington, DC, USA

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## Education

### Ph.D. in Economics

AMERICAN UNIVERSITY

- Fields: Applied Microeconomics (Labor and Development)
- Advisor: Prof. Kara Reynolds, Prof. Mary Hansen & Dr. Austin Davis

Washington, DC, USA

Aug. 2022 - May 2027

### M.A. in Economics

AMERICAN UNIVERSITY

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

JAWAHARLAL NEHRU UNIVERSITY (JNU)

- Thesis: *Welfare Effects of Extreme Climate Events on Mountain and Coastal Communities in India: A Case Study*
- Advisor: Prof. Meeta K. Mehra

Washington, DC, USA

Aug. 2022 - Aug. 2024

New Delhi, India

Aug. 2020 - Jun. 2022

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

JAWAHARLAL NEHRU UNIVERSITY (JNU)

- Project: *Short Run Impact of Climate Change on Agriculture in India*
- Advisor: Prof. Sangeeta Bansal

New Delhi, India

Aug. 2018 - Jul. 2020

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

LADY BRABOURNE COLLEGE, UNIVERSITY OF CALCUTTA

- Thesis: *Structure of Employment in India*

Kolkata, India

Jul. 2015 - Jun. 2018

## Working Papers

- Sarkar J. (2025). Can Telework be Anti-Dote to Declining U.S. Fertility Rates? *Manuscript available upon request.*
- Sarkar J. (2025). Climate Extremes and Gender Gap in Labor Supply: A Global Perspective. *Manuscript available upon request.*
- Sarkar, J. (2025). Who gets hit first and who recovers last? Evidence from Indian Coastal Flood Shock. SSRN: [5577351](#)
- Sarkar, J. (2025). Affordable Internet and Women Empowerment in India. *Manuscript available upon request.*
- Sarkar J. (2024). Linking Climate Change with Economic Inequality: A Review Essay. SSRN: [4814257](#)

## Work in Progress

- Does Telework Exposure increase Female Labor Supply in Emerging Economies? Evidence from Indian Labor Market
- Impact of Early Life Exposure to Armed Conflicts on Occupational Sorting: Evidence from WWII in Germany
- Subsidized Agricultural Credit and Farmer Suicides in Climate Hotspots: Evidence from Kisan Credit Card Scheme in India (with [Prof. Devika Hazra](#))
- Environmental Justice and Enforcement of Pollution Standards (with [Dr. Phuong Ho](#), [Dr. Bianca Cecato](#) and Dr. Almira Salimgarieva).
- Climate Shock and Women's Time Poverty in India.
  - Selected for Revaluing Care Economy Working Paper Series at Duke University (Fall 2024)

## Publication

- Sultana, N., Sarkar, J., & Meurs, M. (2024). Climate Change-Induced Migration: A Gendered Conceptual Framework. *Migration and Diversity*, 3(2), 215-233. <https://doi.org/10.33182/md.v3i2.3177>

## Guest Blogs & Commentaries

- Beyond the Plough: How Technology is Powering a New Green Revolution (with Rida Hameed)—Kogod Sustainability Review, December 2025 (*Upcoming*)
- [Rethinking climate migration through a gender lens](#) (with Prof. Meurs)—Program for Gender Analysis in Economics Blog, July 19, 2025.
- [Time poverty and climate shocks: how married women bear the brunt](#) — Revaluing Care Economy, October 21, 2024

## Research Experience

### Summer Research Assistant

ADVISOR: DR. ELIZABETH STATION

Applied Economics Clinic, Remote

May 2025 — Aug 2025

- Conduct Literature Reviews, Assist in Survey Preparations, Writing Policy Memos

LAST UPDATED JANUARY 15, 2025

JHEELUM SARKAR · CURRICULUM VITAE

- 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

American University, Washington, DC, USA

May 2024 — Aug 2024

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

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

American University, Washington, DC, USA

June 2024 — July 2024

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.

### Transformations and Resilience of Pastoral Systems

#### Amidst Rapid Social-Environmental Changes in Mongolia

American University, Washington, DC, USA

June 2023 — Aug 2023

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.

### 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)

June 2020 -July 2021

- 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.

### 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)

Dec 2020 -Feb 2021

- 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.

## Professional Experience

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### Managing Editor, Kogod Sustainability Review

American University, Washington, DC, USA

May 2025 — Present

WITH KOGOD BUSINESS SCHOOL

- Develop strategies to elevate KSR's outreach and highlight contributions from professional experts in sustainability
- Collaborate with editors to ensure quality check of articles

### Editor, Kogod Sustainability Review

American University, Washington, DC, USA

WITH KOGOD BUSINESS SCHOOL

May 2024 — May 2025

- 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.

## Teaching Experience

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### ECON 100: Macroeconomics

American University, Washington, DC, USA

Fall 2025

TEACHING ASSISTANT OF PROF. JON D WISMAN

- Conduct lectures during discussion sessions, graded assignments and exams (class size above 100)

### ECON 623: Applied Econometrics I

American University, Washington, DC, USA

Spring 2025

TEACHING ASSISTANT OF DR. NATALIA RADCHENKO

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

### ECON 322: Applied Econometrics I

American University, Washington, DC, USA

Spring 2025

TEACHING ASSISTANT OF DR. PAUL SULLIVAN

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

### ECON 373: Labor Economics

American University, Washington, DC, USA

Spring 2025

TEACHING ASSISTANT OF DR. PAUL SULLIVAN

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

### ECON 824: Advanced Econometrics

American University, Washington, DC, USA

LAST UPDATED JANUARY 15, 2025

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

**ECON 150: Economics for Business**

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

**ECON 803: Microeconomic Analysis**

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

**ECON 300: Intermediate Microeconomics**

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

**ECON 200: Microeconomics**

- Graded exams and maintaining log files

**ECON 100: Macroeconomics**

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

## Conferences & Workshops

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**Fourth Global Carework Summit**

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**

Duke University (virtually)

September 2024

PRESENTED WORK ON CLIMATE SHOCKS AND WOMEN'S TIME POVERTY

**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

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**Honorarium for Revaluing Care Working Paper Series**

WITH REVALUING CARE NETWORK

Duke University, Durham, NC, USA

October/November 2024

**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

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**Coding Skills** R, Stata, Python, ArcGIS, Google Earth Engine, TEX**Languages** English (fluent), Bengali (native), Hindi (fluent)

## References

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- Prof. Kara Reynolds, Dept. of Economics, American University, Washington, DC 20016, USA. Email Address - [reynolds@american.edu](mailto:reynolds@american.edu)
- Prof. Mary E. Hansen, Dept. of Economics, American University, Washington, DC 20016, USA. Email Address - [mhansen@american.edu](mailto:mhansen@american.edu)
- Dr. Austin Davis, Department of Politics, Governance & Economics, American University, Washington, DC 20016, USA. Email Address - [cadavis@american.edu](mailto:cadavis@american.edu)