

# 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 Salimgariev).*
- *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 STATON

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

Applied Economics Clinic, Remote

May 2025 — Aug 2025

- Collect Data, Manage Research Database, Run Data Analysis

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

American University, DC, USA

ADVISOR: DR. KELLY M. JONES

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**

American University, Washington, DC, USA

WITH DR. GARIMA SHARMA

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

WITH PROF. BORIS GERSHMAN

June 2024 — July 2024

- 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

WITH PROF. MIEKE MEURS

June 2023 — Aug 2023

- 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)**

JNU, New Delhi, India

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.

JNU, New Delhi, India

### **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**

### **Managing Editor, Kogod Sustainability Review**

American University, Washington, DC, USA

WITH KOGOD BUSINESS SCHOOL

May 2025 — Present

- 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**

### **ECON 100: Macroeconomics**

American University, Washington, DC, USA

TEACHING ASSISTANT OF PROF. JON D WISMAN

Fall 2025

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

### **ECON 623: Applied Econometrics I**

American University, Washington, DC, USA

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

Spring 2025

- 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

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

Spring 2025

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

### **ECON 373: Labor Economics**

American University, Washington, DC, USA

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

Spring 2025

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

### **ECON 824: Advanced Econometrics**

American University, Washington, DC, USA

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

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

### **ECON 150: Economics for Business**

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

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

### **ECON 803: Microeconomic Analysis**

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

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

### **ECON 300: Intermediate Microeconomics**

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

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

### **ECON 200: Microeconomics**

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

- Graded exams and maintaining log files

### **ECON 100: Macroeconomics**

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

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

Fall 2024

American University, Washington, DC, USA

Spring 2024

American University, Washington, DC, USA

Fall 2023

American University, Washington, DC, USA

Fall 2023

American University, Washington, DC, USA

Spring 2022

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 GENDERED LABOR SUPPLY

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**

- **Honorarium for Revaluing Care Working Paper Series**  
WITH REVALUING CARE NETWORK
- **4th Barbara Bergmann Graduate Fellowship for Gender Research**  
WITH DEPT. OF ECONOMICS
- **Graduate Merit Fellowship**  
WITH DEPT. OF ECONOMICS
- **Third Prize for Best Performance in the B.Sc. Economics program**  
WITH DEPT. OF ECONOMICS

Duke University, Durham, NC, USA

October/November 2024

American University, Washington, DC, USA

May 2024 — Aug 2024

American University, Washington, DC, USA

Aug 2022 — Present

Lady Brabourne College, Kolkata, India

Dec. 2018

## **Skills**

### **Coding Skills**

R, Stata, Python, ArcGIS, Google Earth Engine, TEX

### **Languages**

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

## **References**

- 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)