

# Mokshda Kaul

Arizona State University  
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## EDUCATION

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<b>PhD in Sustainable Energy</b> <b>School of Sustainability, Arizona State University</b> Dissertation: Contestations Around Energy Justice: Examining Policy Pathways for Achieving Justice in the Energy Transition	Tempe, AZ 2020 - ( <i>Expected - 2025</i> )
<b>M.A. in Economics</b> <b>Mumbai School of Economics and Public Policy, Mumbai University</b> Dissertation: Wages in the Informal Sector with a Special Emphasis on Migration	Mumbai, India 2016 - 2018
<b>B.A. in Economics</b> <b>Ramnarain Ruia College, Mumbai University</b>	Mumbai, India 2013 - 2016

## RESEARCH EXPERIENCE

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<b>Just Energy Transition Center, Arizona State University</b> Graduate Research Associate (Energy Justice)	Tempe, AZ 2023 - 2024
<ul style="list-style-type: none"><li>• Evaluated renewable distributed energy resource deployment and home electrification opportunities for Navajo and Hopi Tribes through literature reviews and semi-structured interviews, while securing Institutional Review Board approval for research with vulnerable populations</li><li>• Designed and filed Institutional Review Board applications for vulnerable populations</li><li>• Examined repurposing opportunities for Cholla and Coronado coal plant assets and infrastructure to support coal community economies</li><li>• Assisted County of Hawaii with successful public interventions, filing public comments for clean energy development dockets in the Hawai'i Public Utility Commission (HPUC)'s dockets</li></ul>	
<b>PSE Healthy Energy</b> Research Intern (Carbon Capture and Storage)	Oakland, CA Summer 2022
<ul style="list-style-type: none"><li>• Data analysis and writing a technical report on environmental justice issues and environmental impact of carbon capture and storage technologies in California</li></ul>	
<b>re-Engineered Lab, Arizona State University</b> Graduate Research Associate (Energy and Environmental Justice)	Tempe, AZ 2021 - 2022
<ul style="list-style-type: none"><li>• Working in collaboration with the Department of Energy (DOE) to evaluate Water Power Technologies (WPTO) Office's current program portfolios using key energy and environmental justice tenets</li><li>• Understanding organizational barriers to incorporating energy and environmental justice in WPTO's portfolio</li><li>• Designed and conducted interviews along with conducting content analysis of these interviews</li></ul>	
<b>Prayas (Energy Group)</b> Research Associate (Energy Economics, Consumer Advocacy)	Pune, India 2018 - 2020
<ul style="list-style-type: none"><li>• Analyzed technical and commercial losses in the transmission and distribution of electricity</li></ul>	

- Designed, conducted and statistically analyzed surveys across 1500 households in India, to identify patterns in residential energy end-uses to inform energy efficiency policies
- Performed statistical and econometric data analyses (specifically data modelling) for developing a module for residential demand in a detailed energy systems model

## TEACHING EXPERIENCE

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### Instructor, Arizona State University

Introduction to Systems Thinking

Tempe, AZ

Spring 2024

### Teaching Assistant, Arizona State University

Sustainable Cities

Economics of Sustainability

Tempe, AZ

Spring 2021

Fall 2021

## PUBLICATIONS

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### Published Papers

1. D. Oonk, **M. Kaul**, B. Maurer, D. Karwat, (2023) “Public value mapping to assess and guide governmental investments in energy and environmental justice: Studying the United States Department of Energy” *Renewable and Sustainable Energy Reviews*, Vol. 188 (2023) DOI: [10.1016/j.rser.2023.113765](https://doi.org/10.1016/j.rser.2023.113765).
2. **Kaul, M.**(2018)“Wages in the Informal Sector with a Special Emphasis on Migration” *ISFIRE Working Paper Series*,(November, 2018). ISSN: 2454-5597

### Under Review

1. “Affordable Solar for Whom?” with Dr. Danae Hernandez-Cortes in *Energy Research & Social Science*
2. “Just Transition Funds in U.S. States:Explaining Variation in Political Process and Policy Design” with Dr. Hanna L Breetz and Rebecca Shelton, Leah C Kunkel in *Environmental Research: Energy*
3. “The Organizational Ecosystem Change Model: Extending our Understanding of Organizational Change” with David Oonk, Nicole Darnall and Darshan Karwat in *Frontiers in Sustainability*

### Working Papers (full manuscript available)

1. “Coalitions in the Clean Energy Transition” with Dr. Hanna L Breetz submitted in *Energy Research & Social Science*

### Reports and White Papers

1. **Kaul, M.**, Batten, K., Ormond A., & Keeler, L. (2024). [Coal Plant Assets at Cholla and Coronado Generating Stations](#)
2. **Kaul, M.**, Ormond A., & Batten, K. (2024). [Energizing Navajo and Hopi Lands: Distributed Energy Resources Constraints and Needs for Improved Access](#)
3. **Kaul, M.**, Kulkarni, S., & Chunekar, A. (2020). [Conditioning Behaviour: Insights On Use Of Air-Conditioners In Five Indian Cities](#)
4. **Kaul, M.**, Sahasrabudhe, A., Kulkarni, S., & Chunekar, A. (2020).[Energy Consumption Patterns in Indian Households: Insights from Uttar Pradesh and Maharashtra](#)
5. **Kaul, M.**, Sahasrabudhe, A., Kulkarni, S., & Chunekar, A. (2020). [Energy Consumption Patterns in Indian Households: Insights from Pune, Talegaon Dabhade and Ahmednagar](#)
6. **Kaul, M.**, & Josey, A. (2019). [The Percentage Problem](#)

## CONFERENCE PRESENTATIONS

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1. Affordable Solar for Whom?, *Camp Resources, August 2024, Association of Public Policy and Management, November 2023, Association of Environmental and Resource Economists, June 2023*
2. Coalitions in the Energy Transition, *Conference on Policy Policy Research, May 2024, International Studies Association, April 2024, Association of Public Policy and Management, November 2023*
3. Understanding change in an ecosystem of organizations: The case of energy and environmental justice in the US federal government, *Association of Public Policy and Management, November 2022*

## MEDIA

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1. Kaul, M. (2024) [Making the clean energy transition work for all? - Agents of Change in Environmental Justice podcast](#)
2. Josey, A., & Kaul, M. (2019) [Whose TD loss is it anyway? - The Hindu BusinessLine](#)

## SCHOLARSHIPS, FELLOWSHIPS & AWARDS

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- Agents of Change in Environmental Justice Fellowship, Mailman School of Public Health, Columbia University and Environmental Health News (2024-2025)
- Graduate College Completion Fellowship (2024-2025) Graduate College, Arizona State University (\$24,600)
- Graduate College Graduate Research Support Program (2024), Arizona State University (\$2,000)
- Graduate College Travel Award (2022-2024) Graduate College, Arizona State University (\$600)
- Graduate College Emeritus Faculty Fellowship (2024) Graduate College, Arizona State University (\$1,200)
- Martinson Sustainability Solutions Research Grant (2024) School of Sustainability, Arizona State University (\$5,000)
- Sun Valley Scholarship (2023) School of Sustainability, Arizona State University (\$1,000)
- Fast Pitch Award, Arizona Student Energy Conference (AzSEC) (2023)
- Graduate and Professional Student Association (GPSA) Travel Grant (2022-2023), Arizona State University (\$1,700)
- Ray Anderson Memorial Scholarship (2021) School of Sustainability, Arizona State University (\$1,000)
- Kalpana Agarwal Memorial Gold Medal for graduating first in class in M.A. Economics (2018)
- The Economics Rolling Trophy for graduating first in class in B.A. Economics (2016)

## SERVICE

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### Journal and Conference Referee Service

1. Association of Public Policy and Management Fall Research Conference (2)
2. Energy Research & Social Science (3)
3. Energy, Sustainability and Society (1)
4. Journal of Environmental Studies and Sciences (1)

### Academic Service

1. Graduate Student Representative, *School of Sustainability, Arizona State University (2023-24)*
2. Graduate Student Representative, Diversity Equity and Inclusion Committee, *School of Sustainability and College of Global Futures, Arizona State University (2021-22)*
3. Graduate Student Representative, *Faculty Search Committee, School of Sustainability, Arizona State University (2021)*

## SOFTWARE & LANGUAGES

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- **Programming:** R (Expert), SPSS (Intermediate), Python (Intermediate), STATA (Basic)
- **Presentation:** Rmarkdown ,  $\text{\LaTeX}$ , Microsoft Suite
- **Languages:** English, Hindi, Mandarin, Kashmiri