

# Arpita Nehra

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## Employment

Postdoctoral Researcher, Department of Forest Resources, University of Minnesota, August'24 – December'25

## Education

Ph.D. in Applied Economics, Utah State University, Utah, 2017-2021

M.Sc. in Environmental Economics, Madras School of Economics, Chennai, India, 2013-2015

B.com. (Hons.) in Economic Administration and Financial Management, University of Rajasthan, Jaipur, India, 2010-2013

## Skills

*Data Analysis:* Cost-Benefit, Quasi-experimental, Econometrics, General Equilibrium, Optimization;

*Statistical Packages:* **R**, **Stata**;

*Other:* ArcGIS, MATLAB, **GAMS**, LaTeX, Python (ArcPy and GeoPandas- beginner);

Power-user of Microsoft Packages (Word, Powerpoint, and Excel).

## Academic Experience

### *Department of Forest Resources, North Carolina State University*

Postdoctoral Researcher, Department of Forestry and Environmental Resources, North Carolina State University, March'22-August'24

### *Department of Applied Economics, Utah State University*

Teaching assistant, Natural Resources and American Economic Institutions (APEC 1600), Introduction to Agricultural Economics and Agribusiness (APEC 3010) and Applied Econometrics (APEC 5330) ; Summer, Fall 2021.

## *Pre-Doctoral Research Experience*

Research Associate, Ashoka Trust for Research in Ecology and Environment, March'17- July'17  
Adaptation at Scale in Semi-arid regions

Research Associate, Ashoka Trust for Research in Ecology and Environment, July'15- March'17  
Bangalore Urban Metabolism Project

Intern, Indira Gandhi Institute for Development Research, May'14-July'14  
Economics of Land Degradation

## Research

### *Publications*

Irfan, Z.B., Nehra, A. (2016), "Analyzing the aid effectiveness on the living standard: A check-up on Southeast Asian countries." *Journal of Urban Management*, 5(1), 23-31.

Caplan, A., Nehra, A., (2021), "Nash Bargaining in a General Equilibrium Framework: The case of Shared Surface Water Supply." *Water Resources and Economics*, 39, 100206.

Nehra, Arpita; Baker, Justin S.; Caldwell, Peter V.; Martin, Katherine L.; Warziniack, Travis W.; Manner, Richard; Mihir, Christopher M.; Frey, Gregory E.; and Costanza, Jennifer K. 2025. The potential impact of forest loss on drinking water treatment costs in the southeastern U.S. *Forest Policy and Economics* 179, 103603.

Impacts of Hurricanes on Forest-based-Employment in the Southeastern United States: A Case Study of Hurricane Michael- with Dr. Sabhyata Lamichhane, Dr. Rajan Parajuli, Dr. Stephanie Chizmar, Dr. Consuelo Brandeis and Dr. Thomas Ochuodho. (Under Review)

### *Book Chapters*

Edwards, E.C., Nehra, A. (2020), "Importance of freshwater for irrigation." M. Goldstein and D. DellaSala Eds. *Encyclopedia of the World's Biomes* 1st Edition.

### *Working Papers*

Irfan, Z.B., Nehra, A. Mondal, M. (2015), "The Culmination of the MDG's: A New Arena of the Sustainable Development Goals." Working papers 2015-127, Madras School of Economics, Chennai, India.

Regional Water Transfer and Economic Growth: Theory and Evidence- with Dr. Reza Oladi, Dr. Arthur Caplan, and Dr. Sherzod Akhundjanov.

### *Others*

Caldwell, Peter V., et al. "Forested watersheds provide the highest water quality among all land cover types, but the benefit of this ecosystem service depends on landscape context." *Science of The Total Environment* 882 (2023): 163550.

Warziniack, T. W., Bagstad, K., Knowles, M., Mihir, C., Nehra, A., Rhodes, C., ... & Sims, C. B. (2023). Natural Capital Accounting on Forested Lands. NBER Chapters.ext

## Fields of Interest

Resource and Environmental Economics, Applied Econometrics, Optimization modeling, Health Economics, Climate Change

## Honors, Awards, & Fellowships

Graduate assistantship, Utah State University, 2017- 2021.

Agri Mahmoud Agah Scholarship, College of Agriculture and Applied Sciences, USU, 2019-20.

Hung Wo Ching Agricultural Economics Grad Scholarship, College of Agriculture and Applied Sciences, Utah State University, 2018-19.

Selected for a summer exchange program among 15 Indian students, organized by 'Indo-German Centre of Sustainability' at Kiel University, Germany, 2015.

Among 0.1% of successful candidates in Economics at All India Senior School Certificate Examination.

## Conferences and Workshops

2024: ASSA Annual Meeting, Texas, Poster Session; CAMP Resources, Asheville.

2023: Southern Forest Resource Assessment Consortium Annual Meeting, Raleigh; Annual Water Resources Conference, Raleigh; Southern Economic Association (AERE Session).

2022: Midwest Economic Association (AERE Session); AERE@OSWEET (Virtual).

2021: 6th Annual International Symposium on Economic Theory, Policy and Applications, Athens, Greece (Online); PhD Economics Virtual Seminar (Online).

## Professional Activities

*Reviewer:* Athens Journal of Business and Economics, Journal of Hydro informatics, Forest Policy and Economics, Economic Modelling.

## Miscellaneous

*Language:* English, Hindi, French (basic knowledge, studied in school, able to refresh as needed)

*Affiliations:* American Economic Association, Association of Environmental and Resource Economists, American Political Science Association

## References

Dr. Mike Kilgore  
University of Minnesota  
mkilgore@umn.edu

Dr. Peter Caldwell  
North Carolina State University  
peter.v.caldwell@usda.gov

Dr. Justin Baker  
North Carolina State University  
jsbaker4@ncsu.edu

Dr. Sherzod Akhundjanov  
Utah State University  
sherzod.akhundjanov@usu.edu

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