

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; Mihiar, 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., Mihiar, 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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