

Angela C.E. Mensah

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SUMMARY

I am working on an exciting line of research that leverages convolutional neural networks (CNNs) and satellite data to estimate the economic value of mangroves through a hurricane insurance pricing model. My enthusiasm for research carries into the classroom, where I design rigorous, research-based curricula that integrate Stata, R, and AI across econometrics, macroeconomic theory, environmental economics, and development economics. Because I believe every student is *imago Dei*, I encourage the free exploration of ideas and teach students how to use AI as a co-intelligence partner for critical thinking, empirical analysis, and research.

EXPERIENCE

Current Position

Assistant Professor of Economics,
Social Science Division,
Seaver College, Pepperdine University, USA

08/2024 - present

Current Undergraduate Programs Founded

Pepperdine Economic Forum(PEF):

Experiential learning and career readiness programs including seminars, engagement with scholars and policymakers, and Washington DC field trip to policy institutions.

07/2025 - present

PEF Fellows Program is a selective research-focus initiative with grant from the Institute for Humane Studies (IHS) at George Mason University

Research

Postdoctoral Fellow, Colorado State University *12/2023 – 07/2024*
Lead researcher on BIPOC access to recreational fishing
Survey design, interview coordination, and report writing

Research Assistant, Colorado State University *01/2021 – 12/2023*
Data analysis and manuscript drafting with Prof. Edward Barbier

Research Assistant, University of Ghana / UNU-WIDER *2017 – 06/2019*
Conducted field surveys and analyzed fisheries data

Teaching

Graduate Teaching Instructor, Colorado State University *08/2022 – 12/2023*
Taught introductory courses in Economics (in-person and online)

Graduate Teaching Assistant, Colorado State University *08/2019 – 05/2022*

Interport Lecturer, Semester at Sea, CSU *09/2018*

Teacher, Military Academy Training School, Ghana *2013 – 2014*
Taught mathematics during national service

EDUCATION

PhD in Economics, Colorado State University, USA *08/2019 – 12/2023*
Natural resources and environmental economics,
Applied Microeconomics

M.Phil in Economics, University of Ghana, Ghana *08/2015 – 07/2017*
International trade and Public Economics

B.Ed in Social Sciences, University of Cape Coast, Ghana *08/2009 – 05/2013*
Economics and Mathematics

PUBLICATIONS

- Lavoie, A., Mensah, A. C. E., & Quartuch, M. (2025). Constraints to Recreational Fishing among Underrepresented Anglers of Colorado. *Society & Natural Resources*, 1-25. <https://doi.org/10.1080/08941920.2025.2586547>

- Barbier, E. B., & Mensah, A. C. E. (2025). Environmental health risks, welfare and GDP. *Journal of Environmental Economics and Management*, 103, 103206. <https://doi.org/10.1016/j.jeem.2025.103206>
- Barbier, E.B., Mensah, A.C.E. & Wilson, M. (2023). Valuing the Environment as Input. *Environmental and Resource Economics*, 84:677694. <https://doi.org/10.1007/s10640-021-00570-0>
- Mensah, A.C.E., & Barbier, E.B. (2022). *Growth and inequality convergence*. UNU-WIDER WP-2022-110. <https://doi.org/10.35188/UNU-WIDER/2022/244-7>
- Mensah, A.C.E. & Barbier, E.B. (2022). Environmental impacts on health. *Sustainable Future Policy Lab: Analyses*, 2022-002. <https://sfplab.org/?p=1903>
- Mensah, A.C.E. (2020). Tax elasticity of demand for plastic. *Journal of Environmental Economics and Policy*. <https://doi.org/10.1080/21606544.2020.1765882>
- Twerefou, D., Akpalu, W., & Mensah, A.C.E. (2019). Trade-Induced Environmental Quality. *Climate and Development Journal*. <https://doi.org/10.1080/17565529.2018.1562868>

WORK IN PROGRESS

- *Signed Contract for a Textbook on Environmental Economics*
- Mensah, A.C.E. (N.A). Taxing the Theft of Africas Small Pelagic Fisheries. *Submitted to Ecological Economics*
- Mensah, A.C.E. (N.A). When Nature Insures: Pricing the Coastal Protection Value of Mangroves Using Deep Learning. *Submitted to Journal of Environmental Economics and Management*

RESEARCH AGENDA

My research lies at the intersection of environmental and development economics, with some overlay on applied microeconomics and macroeconomics. I study ecosystem conservation, environmental health, economic development, and inequality using applied econometrics, causal inference, machine learning, remote sensing, and bioeconomic modeling. My recent work integrates satellite imagery and artificial intelligence to value natural capital to inform climate adaptation and insurance policy pricing. More broadly, my research examines how institutions, markets, and entrepreneurship shape sustainable development and human flourishing.

TEACHING INTERESTS

Econometrics, Macroeconomics, Microeconomics, Environmental and Natural Resource Economics, Ecological Economics, and Development Economics

SKILLS

- **Software:** STATA, R, python
- **Specializations:** Causal inference, time series, panel, and discrete choice analysis, spatial data analysis, developing and training Convolutional Neural Networks (CNNs) for valuing mangrove in a bio-economic model.

AWARDS

Educational Entrepreneurship Grant (\$8000) Institute for Humane Studies at George Mason University	<i>2026</i>
Educational Entrepreneurship Grant (\$6400) Institute for Humane Studies at George Mason University	<i>2025</i>
Academic Year Undergraduate Research Initiative (AYURI) Pepperdine University	<i>2025</i>
Research Grant (\$6000) , UNU-WIDER, Helsinki Presented at WIDER Development Conference, Bogotá	<i>01/2022 – 10/2022</i>
Outstanding Graduate Researcher , CSU Economics Department	<i>2021–2022</i>
ODE Best Graduate Paper Award , CSU Economics Department	<i>2020</i>

REFEREES

- Dr. Daniele Tavani, CSU | daniele.tavani@colostate.edu
- Dr. Anita Pena, CSU | Anita.Pena@colostate.edu
- Dr. Guy Numa, Colorado State University | Guy.Numa@colostate.edu