

EMBER D. MCCOY

EDUCATION

Degrees

2020 -	Ph.D. Candidate (Environment & Sustainability) <ul style="list-style-type: none">• Specialization(s): Environmental Justice and Policy• NSF Doctoral Dissertation Research Improvement Grant (2023-2025)	Univ. of Michigan
2015 - 2017	M.S. (Environmental Justice) <ul style="list-style-type: none">• Environmental Justice Outstanding Scholarship Award• Academic Leadership Fellowship• Thesis: Which Came First, Coal-Fired Power Plants or Communities of Color?	Univ. of Michigan
2010 - 2014	B.A (Environmental Science) <ul style="list-style-type: none">• <i>Summa Cum Laude</i>• Craig Deaton Leadership Award (2014); Association of Collegiate Water Polo Coaches All-Academic American (2014)• Thesis: Strategic Decommissioning of Coal Power Plants in Illinois	Carthage College

Professional Training

2023-	Science, Technology & Society Graduate Certificate	Univ. of Michigan
2020-	Graduate Teaching Certificate	Univ. of Michigan
2022	Science, Technology & Society Certificate	Harvard University
2017	Science, Technology & Public Policy Graduate Certificate	Univ. of Michigan

PROFESSIONAL EXPERIENCE

Academic Appointments

	<i>University of Michigan - Ann Arbor, Michigan</i>	
2022 -	Research Assistant, Community Partnerships Initiatives	
2022 - 2023	Masters Project Advisor, School for Environment and Sustainability	
2020 - 2022	Research Assistant, Institute for Social Research Landscapes Lab	
Sum. 2021	Facilitator and Mentor, Institute for Social Change	
2017 - 2020	Project Manager, Vision for A Sustainable Environmental Future	
2015 - 2017	Research Assistant II, Paul Mohai Research Lab	
	<i>Carthage College - Kenosha, Wisconsin</i>	
2013 - 2014	Student Principal Investigator, Environmental Science Department	
Sum. 2013	Undergraduate Student Researcher, Geography Department	

Professional Appointments

2017 - 2020	Project Manager, Univ. of Michigan Doris Duke Conservation Scholars Program
Win. 2018	Michigan Grassroots Organizer, The Union of Concerned Scientists
Sum. 2017	Statewide Policy & Lobbying Assistant, The Nature Conservancy New York
Sum. 2016	Beyond Coal Campaign Research and Outreach Assistant, Sierra Club Detroit
2014 - 2015	Outdoor Education Specialist (AmeriCorps Volunteer), SOLVE Oregon

TEACHING EXPERIENCE

	<i>Course</i>	<i>Institution</i>	<i>Semesters Taught</i>	<i>Students/ semester</i>
<i>Graduate Student Instructor</i>	EAS 510: The Science and Practice of Social Change	Univ. Michigan	1	70
	EAS 542: Conservation and Development	Univ. Michigan	1	30
	EAS 563: International Environmental Governance	Univ. Michigan	1	20
	EAS 577: Political Ecology	Univ. Michigan	1	35
	EAS 630: Preparing for International Fieldwork	Univ. Michigan	1	100
	ENV/SOC/POL 345: Environmental Public Opinion	Univ. Michigan	1	50
	PUBPOL 510: The Politics of Public Policy	Univ. Michigan	1	30
	PUBPOL 650: Intro to Science & Tech Policy Analysis	Univ. Michigan	2	45
<i>Supplementary Instructor</i>	POL 362: Environmental Politics	Carthage College	1	20

TEACHING EVALUATIONS

<i>Year</i>	<i>Semester</i>	<i>Course Number</i>	<i>Course Title</i>	<i>Average Score</i>
2024	Winter	PUBPOL 650	Intro to Science & Tech Policy Analysis	
2023	Fall	PUBPOL 510	The Politics of Public Policy	4.9/5.0
2022	Fall	EAS 577	Political Ecology I: Environmental Violence	4.9/5.0
2021	Fall	EAS 510	The Science and Practice of Social Change	4.9/5.0
2021	Winter	PUBPOL 650	Intro to Science & Tech Policy Analysis	4.9/5.0
2020	Fall	EAS 542	Conservation and Development	4.9/5.0

2017	Winter	EAS 563	International Environmental Governance	4.9/5.0
2016	Fall	ENV 345	Environmental Public Opinion	4.8/5.0

TEACHING & DIVERSITY, EQUITY, & INCLUSION WORKSHOPS ATTENDED

*U-M Center for Research on Learning & Teaching; **U-M Transformational DEI, ***U-M Ginsburg Community Engagement Series

2024	Publishing Community Engaged Scholarship*** Power & Partnerships in Community Engagement***
2023	Exploring Alternative Grading Strategies*
2021	Developing a Learner-centered & Equity-focused Syllabus* Strategies for Equitable Engagement in Online Classrooms* Frameworks for Learner-centered & Equity-focused Syllabus Design* Applying Anti-Racist Pedagogies: Developing a Critical Reflective Practice* Teaching for Equity & Inclusion in Remote Contexts* Engaged Pedagogy Initiative* (semester-long)
2019	Principles and Practices of Anti-Racist Pedagogies* Applying Principles of Transparency in Classroom Discussions* Promoting Mental Health and Well-Being Among Students of Color, <i>NCID Young, Gifted, @Risk, and Resilient Conference</i> Advanced Strategies and Techniques for Multi-partial Facilitation**
2018	Bias Reduction Training in Hiring, <i>University of Michigan Library</i> Beyond Silence: Diving Deep into Race in the Workplace, <i>CookRoss</i> Identity & Authority in the Classroom** Teaching about Race & Ethnicity in Predominantly White Classrooms** Making the Most of Hot Moments** Unconscious Bias in the Workplace, <i>CookRoss</i> Writing a Diversity Statement*
2017	What is Scholar Activism Workshop, <i>Univ of Michigan Students of Color of Rackham</i> Bystander Intervention Training, <i>Univ of Michigan Change it Up!</i>
2016	Graduate Student Instructor Teaching Orientation* Canvas for GSIs: Pedagogies and Practicalities*
2015	Critical Cultural Competency, <i>CrossRoads AntiRacism Organizing and Trainings</i>

GRANTS AND PROPOSALS

External Funding

2023	<i>National Science Foundation</i> Doctoral Dissertation Research Improvement Grant (\$15,000)
2016	<i>Environmental Protection Agency</i> Brownfield Area-Wide Planning Grant for River Rouge, Michigan

Internal Funding - University of Michigan

2024	Rackham Graduate Student Research Grant (\$3,000)
2023	Rackham Conference Travel Grant (\$1,200) Rackham Conference Travel Grant (\$900) Detroit Sustainability Clinic Grant (\$7,500)
2022	Rackham Graduate Student Research Grant (\$1,500) Rosina A Bierbaum Award in Climate Adaptation and Mitigation (\$5,000) Rackham Professional Development Grant (\$400)
2021	Sussman Internship Funding (\$5,500) Charles Lathrop Pack Foundation Award (\$2,000)
2017	Flint Action Fund (\$2,000) U-M School of Natural Resources & Environment Travel Grant (\$200) Rackham Travel Grant (\$800)
2016	Rackham Interdisciplinary Workshop (\$5,000) U-M School of Natural Resources & Environment Travel Grant (\$200) Rackham Travel Grant (\$800) Marshall Weinberg Internship Funding (\$5,500)

HONORS, AWARDS, FELLOWSHIPS, AND NOMINATIONS

2024	<i>University of Michigan Rackham Graduate School</i> Outstanding Graduate Student Instructor Award
2023	<i>Waubonsie Valley High School</i> Distinguished Alumni Award <i>University of Michigan School for Environment and Sustainability</i> Ayers-Brinser Award for Excellence in Doctoral Study of Environmental Policy
2022	<i>University of Michigan</i> Outstanding Advisor Award Nominee <i>University of Michigan School for Environment and Sustainability</i> Rosina A. Bierbaum Award in Climate Adaptation and Mitigation
2021	<i>University of Michigan School for Environment and Sustainability</i> Courtney Wilson Award for exemplifying kind compassion and deep commitment to addressing critical environmental issues <i>University of Michigan School for Environment and Sustainability</i> Charles Lathrop Pack Foundation Award
2020	<i>University of Michigan Program in Public Scholarship</i> Engaged Pedagogy Initiative Fellowship <i>University of Michigan Program Shapiro Design Lab</i> Community and Citizen Science Fellowship
2017	<i>University of Michigan School for Environment and Sustainability</i> Environmental Justice Award for Outstanding Scholarship
2016	<i>University of Michigan School for Environment and Sustainability</i> Observer Delegate, United Nations Framework Convention on Climate Change <i>University of Michigan School for Environment and Sustainability</i> Courtney Wilson Memorial Scholarship

- 2015 *University of Michigan School for Environment and Sustainability*
Academic Leadership Fellowship
- 2014 *Carthage College Athletics Department*
Craig Deaton Leadership Award
This award goes to one male and one female Carthage athlete who exhibits excellence in athletics, academics, leadership and community support.
Carthage College Varsity Women's Swimming Team
Swim Team Captain; Most Valuable Player Award
Carthage College Varsity Women's Water Polo Team
"Lady Red" Award; Scholar-Athlete Award
College Conference of Illinois and Wisconsin
All-Conference Women's Swimming Team
Association of Collegiate Water Polo Coaches
Academic All-American
- 2013 *Carthage College Varsity Women's Swimming Team*
Swim Team Captain
Carthage College Varsity Women's Water Polo Team
Most Valuable Teammate Award; Scholar-Athlete Award
- 2012 *Carthage College Varsity Women's Swimming Team*
Most Valuable Player Award; Scholar-Athlete Award
- 2011 *College Conference of Illinois and Wisconsin*
All-Conference Women's Swimming Team
College Swimming Coaches Association of America
All-American Honorable Mention
- 2010 - 2014 *Carthage College*
Highest Honors Scholarship
George & Hazel Osborn Scholarship

PUBLICATIONS

Peer-Reviewed Journal Articles

- In Review de Jong, M., **McCoy, E.D.**, & Butt, B. "From Coercive to Carceral Conservation Reframing Conservation as Abolition Ecologies." *Antipode*.
- 2023 Hicken, M. T., Payne-Sturges, D., & **McCoy, E.** "Evaluating Race in Air Pollution and Health Research: Race, PM2.5 Air Pollution Exposure, and Mortality as a Case Study." *Current Environmental Health Reports*, 10(1) 1-11.
- 2022 Taylor, D. E., Thompson, K., Abednour-Brown, D., **McCoy, E.**, Daupan, S. M., & Hollenquest, C. "Community Gardens in Michigan: Demographic Attributes of Managers, Neighborhood Characteristics, and the Impacts of a Pandemic." *American Behavioral Scientist*, 0(0).
- 2022 Taylor, D.E., Wright, T., Ortiz, I., Surdoval, A., **McCoy, E.D.**, & Daupan, S.M. "Rising food insecurity and the impacts of the COVID-19 pandemic on emergency food assistance in Michigan." *Journal of Agriculture, Food Systems, and Community Development*.
- 2022 Taylor, D. E., Farias, L. M., Kahan, L. M., Talamo, J., Surdoval, A., **McCoy, E. D.**,

- & Daupan, S. M. Understanding the challenges faced by Michigan’s family farmers: race/ethnicity and the impacts of a pandemic. *Agriculture and Human Values*, 1-20.
- 2022 Taylor, D. E., Lusuegro, A., Loong, V., Cambridge, A., Nichols, C., Goode, M., **McCoy, E.**, Daupan, S.M., Bartlett, M., Noel, E., & Pollvogt, B. “Racial, Gender, and Age Dynamics in Michigan’s Urban and Rural Farmers Markets: Reducing Food Insecurity, and the Impacts of a Pandemic.” *American Behavioral Scientist*, 1-43.
- 2019 Taylor, D. E., Paul, S., & **McCoy, E.** “Diversity, Equity, and Inclusion and the Salience of Publicly Disclosing Demographic Data in American Environmental Nonprofits.” *Sustainability*, 11(19), 5491.

Book Reviews

- 2023 **McCoy, E.D.** “Toxic Debt: An Environmental Justice History of Detroit and Tainted Tap: Flint’s Journey from Crisis to Recovery.” *Sociology of Race and Ethnicity*, 0(0). <https://doi.org/10.1177/23326492231168205>

Datasets Contributed To

- 2022 McGowan, C., Nanni, A., Rydland, K., **McCoy, E.**, Mullen, H., and Kershaw, K. National Getis-Ord Gi* statistics for select populations; 1990-2019. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2022-05-31. <https://doi.org/10.3886/E170541V1>

Research Reports

- 2023 **McCoy, E.D.** “[The Risks of Pretrial Risk Assessment Tools: Policy Considerations for Michigan.](#)” Ann Arbor, MI: University of Michigan Science, Technology, and Public Policy Community Partnerships Initiative.
- 2018 Taylor, D.E., Price, K., & **McCoy, E.** [Diversity Pathways: Broadening Participation in Environmental Organizations.](#) San Francisco, California: The Pisces Foundation.
- 2017 **McCoy, E.D.** [Which Came First, Coal-Fired Power Plants or Communities of Color? Assessing the Disparate Siting Hypothesis of Environmental Justice](#) (Master’s Thesis). Ann Arbor, MI: University of Michigan School for Environment and Sustainability.
- 2014 **McCoy, E.** [Strategic Decommissioning of Coal Power Plants in Illinois](#) (Bachelor’s Thesis). Kenosha, WI: Carthage College.

Outreach and Engagement Publications

- 2021 Sehrsweeney, M. and **McCoy, E.** (April 9). “[To build energy resilience in Michigan, we must challenge DTE.](#)” *Energy News Network*.
- 2016 **McCoy, E.** and Graber, S. “[The Election and the Paris Agreement Part 2.](#)” *Climate Blue*.
- 2016 **McCoy, E.** (November 11). “[The Election and the Paris Agreement Part 1.](#)” *Climate Blue*.
- 2015 **McCoy, E.** and Goldberg, K. (April 23). “[Women in Science Day.](#)” *Stories of Service*.

Media and Interviews

- 2023 [Pretrial risk assessment tools found to be subjective and biased](#)
Ford School News (May 4).
- 2021 [Ann Arbor's rental-housing ordinance changes](#)
Stateside, Michigan Radio NPR. (November 15).
- 2017 [Proposed law gives Ann Arbor renters 240 days before landlords can show occupied apartments](#)
MLive. (April 07).
- 2018 Energy Affordability in Michigan
It's Hot in Here, WCBN-FM Arbor. (May 4).
- 2016 [COP 22 in Marrakech](#)
It's Hot in Here, WCBN-FM Ann Arbor. (November 18).
[To You the Victims of the USA](#)
COP Coffee Break, Independent Production. (November 11).
[Get the Lead Out: Science for policy in the light of environmental racism](#)
It's Hot in Here, WCBN-FM Ann Arbor. (April 13).

ADVISING, MENTORING, AND SUPERVISION

MSc Capstone Advisor*

(*At School for Environment and Sustainability, Univ. of Michigan); † indicates completed

- 2023 Anna Bunting† (Freshwater Future)
- 2023 Dinah George† (Oberlin College Campus Farm)
- 2023 John McClure† (UM Cooperative Institute for Great Lakes Research)
- 2023 Megan Husted† (White House Council on Environmental Quality)
- 2023 Skyler Kriese† (We the People Detroit)

Research Supervisor - B.A./B.S.* (*Univ. of Michigan unless otherwise noted)

- 2024 Ricardo Espana
- 2023 Evan Jaglal
- 2023 Claire Robinson, Tufts University

CONFERENCE PRESENTATIONS

- 2024 Centering Embodied Expertise in Environmental Justice Policy. *Ensnaring Entanglements U-M Science, Technology, and Society Program Symposium*. Feb 2, Ann Arbor, MI
- 2023 'There's a disconnect between what your numbers say and what we live': Embodied Expertise in Public Policymaking. *Society for Social Studies of Science*. Nov 7-12, Honolulu, HI.
- 2023 'I don't care what your numbers say': Challenging Quantitative Preeminence in Environmental Justice Policymaking. *American Association of Geographers Annual Meeting*. Mar 23-28, Denver, CO.
- 2022 The Politics of Air Pollution Regulation and Monitoring. *12th Dimensions of Political Ecology (DOPE) Conference*. University of Kentucky. Mar 24-26,

- Lexington, KY. Presentation delivered remotely during COVID-19.
- 2022 The Politics of Expertise in Air Pollution Regulation and Monitoring. *Michigan University-Wide Sustainability & Environment (MUSE) Conference*. University of Michigan, Feb 2-4, Ann Arbor, MI. Presentation delivered remotely during COVID-19.
- 2019 Which Came First, Coal-Fired Power Plants or Communities of Color? Assessing the Disparate Siting Hypothesis of Environmental Justice. *7th Historically Black Colleges & Universities Climate Change Conference*. Nov 13-16, New Orleans, LA.
- 2019 Critical Environmental Justice and Sustainable Development. *Sustainability and Development Conference*. University of Michigan. Oct 11-14, Ann Arbor, MI.
- 2018 The Political Ecology of Air Pollution Regulation and Monitoring. *American Association of Geographers Annual Meeting*. Apr 3-7, New Orleans, LA.
- 2017 The Color of Pollution: Assessing community demographics and coal power plant siting between 1950 and 2010. *University of Michigan School for Environment and Sustainability Capstone Conference*. University of Michigan. Apr 6-7, Ann Arbor, MI.
- 2017 The Color of Pollution: The politics of air pollution regulation and monitoring. *7th Annual Dimensions of Political Ecology (DOPE) Conference*. University of Kentucky. Feb. 23-25, Lexington, KY.
- 2016 An Era of Environmental Inequity: Analyzing Fisk Generating Station and Chicago's Pilsen Neighborhood. *Northwestern University Black Graduate Student Association 19th Annual Research Conference*. Northwestern University. Apr 24, Chicago, IL.
- 2016 An Era of Environmental Inequity: Analyzing Fisk Generating Station and Chicago's Pilsen Neighborhood. *4th Annual Historically Black Colleges and Universities Climate Change Conference*. Mar 30-Apr 3, New Orleans, LA.
- 2014 Strategic Decommissioning of Coal Power Plants in Illinois. *Celebration of Scholars*. Carthage College. May 2, Kenosha, WI.
- 2014 Strategic Decommissioning of Coal Power Plants in Illinois. *28th Annual National Conference on Undergraduate Research*. Apr 3-4, Lexington, KY.

INVITED TALKS

- 2024 Speaker, National Public Defenders Conference. Mar 15.
- 2023 Keynote, Indian Prairie Scholars Award Ceremony. Feb 23.
- 2022 Panelist, *Firebirds in Your Field*. Carthage College Aspire Conference. Oct 6-8.
- 2022 Panelist, *Public Service Through Serving on Board and Commissions*. Ginsberg Center for Community Engagement. Mar 23.
- 2022 Panelist, Carthage College Environmental Science Networking Event. Mar 28.
- 2020 Keynote, Gunderson Lecture. Carthage College. Feb 9.
(Postponed due to COVID-19).
- 2020 Panelist, *Towards a Just and Equitable Carbon Neutrality Plan*. University of Michigan Voices for Carbon Neutrality. Nov 19.
- 2017 Panelist, *With or Without US? International Climate Agreements in Uncertain Times*. University of Michigan Climate Blue. Mar 29.

2014 Panelist, *Advancing Academics for Student-Athletes*. College Conference of Illinois and Wisconsin Academic Issues Conference. Apr 24-25.

GUEST LECTURES

2024 *University of Michigan - Ann Arbor, MI*
ENV 222: Introduction to Environmental Justice (Bartlett). Mar 13.
PUBPOL 650: Intro to Science & Technology Policy (Parthasarathy). Feb 21.
Pennsylvania State University - State College, PA
ME 487: Ethics for Engineers (Grauer). Mar 1.

2023 *University of Michigan - Ann Arbor, MI*
EAS 577: Political Ecology I: Environmental Violence (Butt). Dec 8.
EAS 501.117: Transformations: Commoning for Social Action (Agrawal). Dec 1.
EAS 630: Preparing for International Fieldwork (Butt). Mar 19.
ENV 222: Introduction to Environmental Justice (Bartlett). Mar 8.
Waubonsie Valley High School - Aurora, IL
AP Environmental Science (Armstrong; Young). Feb 23.

2022 *Ridgewood High School - Ridgewood, NJ*
AP Environmental Science (Luo), Apr 6.
University of Michigan - Ann Arbor, MI
ENVIRON 222: Intro to Environmental Justice (Bartlett). Feb 9.

2021 *University of Michigan - Ann Arbor, MI*
EAS 510: The Science and Practice of Social Change (Bartlett).
PUBPOL 650: Science and Technology Policy (Parthasarathy). Mar 12.
Ridgewood High School - Ridgewood, NJ
AP Environmental Science (Luo). Apr 20.
Carthage College - Kenosha, WI
ENV 3400: Conservation Science (Gartner). Apr 12.

2020 *University of Michigan- Ann Arbor, MI*
EAS 542: Conservation and Development (Butt).

2019 *Carthage College - Kenosha, WI*
ENV 4000: Senior Seminar (Gartner). Dec 2.
BIO 4150: Botany (Gartner). Dec 2.
ENV 1000: Intro to Environmental Science (Gartner). Dec 2.

PROFESSIONAL SERVICE

Peer Reviewer

Journal Articles (number of papers)

2021 PLOS ONE (1), Energy Research & Social Science (2)

Grants

2017 *University of Michigan School for Environment and Sustainability*
Student Initiatives Fund

Professional Meetings Organized

- 2020 3rd Annual New Horizons in Conservation Conference.
Ann Arbor, MI. Apr 1-3.(Canceled due to COVID-19 Pandemic).
- 2019 2nd Annual New Horizons in Conservation Conference.
Chicago, IL. Apr 24-26.
- 2018 1st Annual New Horizons in Conservation Conference
Washington, DC. Apr 19-20.
- 2016 University-Wide Teach-In for Flint: Activism, Politics, and the Academy.
Ann Arbor, MI. October 29, 2016.

University Service - University of Michigan

School for Environment and Sustainability

- 2021 - 2023 Doctoral Organizing Committee, Co-Chair (2022-23), Seminar Chair (2021-22)
- 2021 - 2022 Search Committee Member, Open Rank Position in Environmental Justice
- 2021 Search Committee, Visiting Professor of Environmental Justice
- 2021 Committee Member, University Wide Anti-Racism Faculty Cluster Hire
- 2016 - 2017 President, Student Government

University-Wide

- 2023 - Graduate Student Co-Coordinator, Science, Technology and Society Rackham Interdisciplinary Workshop.
- 2022 - 2023 Graduate Student Co-Coordinator, Anti-Colonial and Environmental Justice Rackham Interdisciplinary Workshop.
- 2018 Search Committee Member, University of Michigan Library System Diversity, Equity, and Inclusion Program Manager Hire
- 2016 - 2017 Graduate Student Co-Coordinator, Interdisciplinary Science & Policy Initiative for Research Engagement Rackham Interdisciplinary Workshop.

Professional Affiliations

American Association of Geographers
American Federation of Teachers - Graduate Employees Organization 3550
Science and Democracy Network
Society for the Social Studies of Science

Public Service

Local Government

- 2018 - 2023 Energy Commissioner, City of Ann Arbor, MI

Graduate Employees Organization 3550

- 2020 - Steward, School for Environment and Sustainability
- 2022 - 2023 Vice President
- 2022 - 2022 Contract Committee Co-Chair

CONSULTING EXPERIENCE

2021 GIS Teaching Consultant, Environmental Fellows Program at Yale
2018 - 2019 GIS Consultant for Standing Rock Sioux DAPL litigation, EarthJustice

ACADEMIC MENTORS

Doctoral B. Butt (Advisor, Univ. of Michigan), S. Parthasarathy (Univ. of Michigan),
K. Whyte (Univ. of Michigan), R. Holifield (Univ. of Wisconsin-Milwaukee)
Masters P. Mohai (Advisor, Univ. of Michigan), D. Taylor (Univ. of Michigan/Yale),
R. Saha (Univ. of Montana)
Bachelors T. Gartner (Advisor, Carthage College), J. Mast (Advisor, Carthage College),
S. Rubinfeld (Carthage College), W. Sun (Carthage College)