

EMBER D. MCCOY

University of Michigan
School for Environment and Sustainability
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EDUCATION

Degrees

Ph.D. Candidate, Environment and Sustainability, University of Michigan, *Expected 2025*
M.S., Environmental Justice, University of Michigan, 2017
B.A., Environmental Policy Analysis, Carthage College, 2014

Professional Training

Graduate Teacher Certificate, University of Michigan, *Expected 2023*
Certificate in Science, Technology, and Society, Harvard University, 2022
Graduate Certificate in Science and Technology Policy, University of Michigan, 2017

PROFESSIONAL EXPERIENCE

Academic Appointments

University of Michigan - Ann Arbor, MI

2022 - Research Assistant, Science, Technology, and Public Policy Program
2020 - 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

Carthage College - Kenosha, WI

2013 - 2014 Student Principal Investigator, Environmental Science Department
Sum. 2013 Undergraduate Student Researcher, Geography Department

Professional Appointments

2017 - 2020 Project Manager, Doris Duke Conservation Scholars Program - Ann Arbor, MI
Win. 2018 Michigan Grassroots Organizer, The Union of Concerned Scientists - Ann Arbor, MI
Sum. 2017 Statewide Policy & Lobbying Assistant, The Nature Conservancy - Albany, NY
Sum. 2016 Beyond Coal Campaign Research and Outreach Assistant, Sierra Club - Detroit, MI

TEACHING EXPERIENCE

Graduate Student Instructor, University of Michigan - Ann Arbor, MI

Fall 2022 EAS 577 Political Ecology
Fall 2021 EAS 510 The Science and Practice of Social Change
Winter 2021 PUBPOL 650 Intro to Science & Tech Policy Analysis

Fall 2020 EAS 542 Conservation and Development
Winter 2017 EAS 563 International Environmental Governance
Fall 2016 ENV/SOC/POL 345 Environmental Public Opinion

SOLVE Oregon - Portland, OR

2014 - 2015 Outdoor Education Specialist (AmeriCorps Volunteer)

Carthage College - Kenosha, WI

Fall 2012 Supplementary Instructor, POL 362 Environmental Politics

GRANTS AND PROPOSALS

Internal Funding - University of Michigan

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)

External Funding

2016 EPA Brownfield Area-Wide Planning Grant for River Rouge, Michigan

Contributions to submitted grants and proposals

2022 National Science Foundation (NSF) Doctoral Dissertation Reserach Improvement Grant
2020 University of Michigan Anti-Racism Cluster Hire
2019 National Science Foundation (NSF) Graduate Research Fellowship
2015 National Science Foundation (NSF) Graduate Research Fellowship

AWARDS AND FELLOWSHIPS

2022 Outstanding Advisor Award Nominee, Advising Council of the University of Michigan
Rosina A. Bierbaum Award in Climate Adaptation and Mitigation, University of Michigan
2021 Courtney Wilson Award, U-M School for Environment and Sustainability
Charles Lathrop Pack Foundation Award, U-M School for Environment and Sustainability
2020 Engaged Pedagogy Initiative Fellowship, U-M Rackham Program in Public Scholarship
Community and Citizen Science Fellowship, U-M Library Shapiro Design Lab
2017 Environmental Justice Award for Outstanding Scholarship, University of Michigan

- 2016 Observer Delegate, United Nations Framework Convention on Climate Change COP 22
Courtney Wilson Memorial Scholarship
- 2015 Academic Leadership Fellowship, U-M School for Environment and Sustainability
- 2014 Craig Deaton Leadership Award, Carthage College Athletic Department
- 2010 Highest Honors Scholarship, Carthage College, 2010-2014
George & Hazel Osborn Scholarship, Carthage College, 2010-2014

PUBLICATIONS

Peer-Reviewed Journal Articles

5. Hicken, M.T., Payne-Sturges, D., & **McCoy, E.D.** (*forthcoming*). Race and the association between air pollution and health: What does race mean? *Environmental Health Perspectives*.
4. Taylor, D.E., Wright, T., Ortiz, I., Surdoval, A., **McCoy, E.D.**, & Daupan, S.M. (2022). 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*.
3. Taylor, D. E., Farias, L. M., Kahan, L. M., Talamo, J., Surdoval, A., **McCoy, E. D.**, & Daupan, S. M. (2022). Understanding the challenges faced by Michigan’s family farmers: race/ethnicity and the impacts of a pandemic. *Agriculture and Human Values*, 1-20.
2. Taylor, D. E., Lusuegro, A., Loong, V., Cambridge, A., Nichols, C., Goode, M., **McCoy, E.**, Daupan, S.M., Bartlett, M., Noel, E., & Pollvogt, B. (2021). 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.
1. Taylor, D. E., Paul, S., & **McCoy, E.** (2019). Diversity, Equity, and Inclusion and the Salience of Publicly Disclosing Demographic Data in American Environmental Nonprofits. *Sustainability*, 11(19), 5491.

Datasets Contributed To

4. McGowan, Cyanna, Nanni, Antonio, Rydland, Kelsey, **McCoy, Ember**, Mullen, Haley, and Kershaw, Kiarri. 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>

Reports and Other Publications

7. Sehrsweeney, M and **McCoy, E.** (2021, April 9). “[To build energy resilience in Michigan, we must challenge DTE.](#)” Energy News Network.
6. Taylor, D.E., Price, K., & **McCoy, E.** (2018). [Diversity Pathways: Broadening Participation in Environmental Organizations](#). San Francisco, California: The Pisces Foundation.
5. **McCoy, E.** (2017). [Which Came First, Coal-Fired Power Plants or Communities of Color? Assessing the Disparate Siting Hypothesis of Environmental Justice](#) (Master’s Thesis). University of Michigan School for Environment and Sustainability.
4. **McCoy, E.** and Graber, S. (2016). “[The Election and the Paris Agreement Part 2.](#)” *Climate Blue*.
3. **McCoy, E.** (2016 November 11). “[The Election and the Paris Agreement Part 1.](#)” *Climate Blue*.
2. **McCoy, E.** and Goldberg, K. (2015 April 23). “[Women in Science Day](#)”. *Stories of Service*.
1. **McCoy, E.** (2014). [Strategic Decommissioning of Coal Power Plants in Illinois](#) (Bachelor’s Thesis).

Audio Publications

5. [Ann Arbor's rental-housing ordinance changes](#), *Stateside*, Michigan Radio NPR. (November 15, 2021).
4. Energy Affordability in Michigan, *It's Hot in Here*, WCBN-FM Arbor. (May 4, 2018).
3. [COP 22 in Marrakech](#), *It's Hot in Here*, WCBN-FM Ann Arbor. (November 18, 2016).
2. [To You the Victims of the USA](#), *COP Coffee Break*, Independent Production. (November 11, 2016).
1. [Get the Lead Out: Science for policy in the light of environmental racism then and now](#), *It's Hot in Here*, WCBN-FM Ann Arbor. (April 13, 2016).

PRESENTATIONS

Conferences

- 2022 12th Annual Dimensions of Political Ecology (DOPE) Conference, Virtual. "*The Politics of Air Pollution Regulation and Monitoring*." University of Kentucky, Lexington, KY. (March 24-26, 2022).
- 2022 Michigan University-Wide Sustainability & Environment (MUSE) Conference 2022, Virtual. "*The Politics of Expertise in Air Pollution Regulation and Monitoring*." University of Michigan, Ann Arbor, MI. (February 2-4, 2022).
- 2019 7th annual Historically Black Colleges and Universities Climate Change Conference. "*Which Came First, Coal-Fired Power Plants or Communities of Color? Assessing the Disparate Siting Hypothesis of Environmental Justice*." New Orleans, LA. (November 13-16, 2019).
- 2019 Sustainability and Development Conference 2019. "*Critical Environmental Justice and Sustainable Development*." University of Michigan, Ann Arbor, MI. (October 11-14, 2019).
- 2018 American Association of Geographers Annual Meeting 2018. "*The Political Ecology of Air Pollution Regulation and Monitoring*." New Orleans, LA. (April 3-7, 2018).
- 2017 University of Michigan School for Environment and Sustainability Capstone Conference 2017. "*The Color of Pollution: Assessing community demographics and coal power plant siting between 1950 and 2010*." University of Michigan, Ann Arbor, MI. (April 6-7, 2017).
- 2017 7th Annual Dimensions of Political Ecology (DOPE) Conference. "*The Color of Pollution: The politics of air pollution regulation and monitoring*." University of Kentucky, Lexington, KY (February 23-25, 2017).
- 2016 Northwestern University Black Graduate Student Association 19th Annual Research Conference. "*An Era of Environmental Inequity: Analyzing Fisk Generating Station and Chicago's Pilsen Neighborhood*." Northwestern University, Chicago, IL. (April 24, 2016).
- 2016 4th Annual Historically Black Colleges and Universities Climate Change Conference. "*An Era of Environmental Inequity: Analyzing Fisk Generating Station and Chicago's Pilsen Neighborhood*." New Orleans, LA (March 30 – April 3, 2016).
- 2014 Carthage College Celebration of Scholars 2014. "*Strategic Decommissioning of Coal Power Plants in Illinois*." Carthage College, Kenosha, WI. (May 2, 2014).
- 2014 28th Annual National Conference on Undergraduate Research. "*Strategic Decommissioning of Coal Power Plants in Illinois*." Lexington, KY. (April 3-4, 2014).

Invited Talks

- 2022 Public Service Through Serving on Board and Commissions Panel. Ginsberg Center for

- Community Engagement. March 23, 2022.
 Carthage College Environmental Science Networking Event. March 28, 2022.
 2020 Gunderson Lecture. Carthage College. February 9, 2020. (Postponed due to COVID-19).
 Towards a Just and Equitable Carbon Neutrality Plan Panel. University of Michigan Voices for Carbon Neutrality. November 19, 2020.
 2017 With or Without US? International Climate Agreements in Uncertain Times. March 29, 2017.
 2014 Advancing academics for student-athletes. College Conference of Illinois and Wisconsin Academic Issues Conference. Naperville, IL (April 24-25, 2014).

Guest Lectures

- 2022 AP Environmental Science (Luo), Ridgewood High School (April 6, 2022).
 ENVIRON 222 Intro to Environmental Justice (Bartlett), U of Michigan (February 9, 2022).
 2021 EAS 510 The Science and Practice of Social Change (Bartlett), U of Michigan.
 AP Environmental Science (Luo), Ridgewood High School (April 20, 2021).
 ENV 3400 Conservation Science (Gartner), Carthage College (April 12, 2021).
 PUBPOL 650 Science and Technology Policy (Parthasarathy), U of Michigan (March 12, 2021).
 2020 EAS 5542 Conservation and Development (Butt), U of Michigan.
 2019 ENV 4000 Senior Seminar (Gartner), Carthage College (December 2, 2019).
 BIO 4150 Botany (Gartner), Carthage College (December 2, 2019).
 ENV 1000 Intro to Environmental Science (Gartner), Carthage College (December 2, 2019).

PROFESSIONAL SERVICE

Reviewer

Journal Articles (number of papers): PLOS ONE (1)

Books (number of books): Sociology of Race and Ethnicity (2 - forthcoming)

Grants

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

Professional Meetings Organized

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

University Service - University of Michigan

School for Environment and Sustainability

- 2021 - 2022 Doctoral Organizing Committee, Seminar Chair
 2021 - 2022 Open Rank Environmental Justice Professor Search Committee
 2021 Environmental Justice Visiting Professor Search Committee
 2021 Anti-Racism Cluster Hire Grant Committee
 2016 - 2017 Student Government President

Other

2018 University Library: Diversity, Equity, and Inclusion Program Manager Search Committee
2016 - 2017 Interdisciplinary Science & Policy Initiative for Research Engagement: Co-Coordinator

Professional Affiliations

American Association of Geographers
Science and Democracy Network
American Federation of Teachers - Graduate Employees Organization 3550

Public Service

Local Government

2018 - City of Ann Arbor, Energy Commission

Graduate Employees Organization 3550

2022 - Vice President
2020 - School for Environment and Sustainability Steward
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, Mohai Lab and EarthJustice