

TIMOTHY WILLIAM COLLINS

University of Utah
Department of Geography
260 S. Campus Dr., Rm. 4625
Salt Lake City, UT 84112

T: (801) 581-8218 • E: tim.collins@geog.utah.edu

Academic Appointments

Professor. Department of Geography / Environmental & Sustainability Studies Program.
University of Utah. January 2018-present.

Professor. Department of Sociology & Anthropology. University of Texas at El Paso (UTEP).
September 2015-2017.

Associate Professor. Department of Sociology & Anthropology. UTEP. June 2011-August 2015.

Assistant Professor. Department of Sociology & Anthropology. UTEP. August 2006-May 2011.

Postdoctoral Research Associate. Decision Center for a Desert City. Arizona State University
(ASU), Tempe, Arizona. November 2005-July 2006.

Administrative and Scientific Appointments

Member. Board of Scientific Counselors, Social and Community Science Subcommittee, U.S.
Environmental Protection Agency, Office of Research and Development. February 2022-2025.

Member. Leadership Team, Wilkes Center for Climate Science & Policy. University of Utah.
August 2022-present.

Director. Undergraduate Studies, Department of Geography. University of Utah. June 2019-
present.

Co-Director (with Dr. Sara Grineski). Center for Natural and Technological Hazards. University of
Utah. October 2018-present.

Director. Institutional Development Core of the National Institutes of Health Diversity
Consortium BUILDING SCHOLARS Center. UTEP. September 2014-December 2017.

Provost's Faculty Fellow-in-Residence. Office of the Provost; developed undergraduate research
programs across campus in collaboration with the Campus Office of Undergraduate Research
Initiatives (COURI). UTEP. June 2013-August 2014.

Education

Ph.D. Geography, Arizona State University, Tempe, Arizona. *Dissertation Title:* The production of
hazard vulnerability: the case of people, forests, and fire in Arizona's White Mountains.
November 2005.

M.A. Geography, with distinction, California State University, Chico, Chico, California. *Thesis Title:*
An integrated appraisal of the wildland/urban interface fire hazard, Forest Ranch, California.
August 2000.

B.A. Geography, cum laude, California State University, Chico, Chico, California. May 1998.
Undergraduate Study. Department of Human Geography, University of Utrecht, The Netherlands.
Spring Semester 1995.

Research Expertise

Environmental Justice • Hazards, Risks, and Disasters • Health Disparities • Research Training
and Mentoring

Publications and Manuscripts

[Google Scholar](#) (as of 3/12/24): Citations=5906, h-index=45, i10-index=106

Included in the latest [Stanford-Elsevier ranking](#) of the world's most cited researchers and those who are in the top 2% in their academic subfield

Student co-authors are underlined (those conducting the research as undergraduates have an *); ± denotes equal authorship

Grineski, S., R. Renteria, **T. Collins**, J. VanDerslice, A. Bakian, D. Bilder, A. Fraser, *J. Gomez, and *K. Ramos. In press. PM_{2.5} threshold exceedances during the prenatal period and risk of intellectual disability. *Journal of Exposure Science and Environmental Epidemiology*. DOI: 10.1038/s41370-024-00647-0.

Mullen, C., S. Grineski, **T. Collins**, and A. Flores. In press. Air quality sensors and distributional environmental justice: A case study of Salt Lake County, Utah. *Environmental Sociology*. DOI: 10.1080/23251042.2023.2295099.

Morales, D., S. Grineski, and **T. Collins**. In press. The silver lining of the COVID-19 pandemic: Undergraduate research experiences, mentorship, and posttraumatic growth. *Research in Higher Education*. DOI: 10.1007/s11162-023-09763-6.

Grineski, S., *C. Alexander±, M. Allain±, A. Clark±, **T. Collins**±, E. Goodwin±, C. Mullen±, M. Scott±, Y. Shaker±, *K. Ramos±, R. Renteria±, and R. Rubio±. 2024. Environmental influences on academic proficiency. *Current Epidemiology Reports* 11:1-19. DOI: 10.1007/s40471-023-00324-0.

Chakraborty, J. **T. Collins**, and S. Grineski. 2024. Disparities in adverse impacts of the COVID-19 pandemic by disability status in metropolitan Texas. *Journal of Public Health* 46(1):e60-e64. DOI: 10.1093/pubmed/fdad209.

Grineski, S., *A. Griego, C. Mullen, **T. Collins**, S. Nadybal, and *A. Mangadu. 2024. Environmental injustice, tree canopy cover, and academic proficiency at Utah public primary schools. *Environmental Justice* 17(1):15-30. DOI: 10.1089/env.2021.0113.

Grineski, S., D. Morales, **T. Collins**, S. Nadybal, and *S. Trego. 2024. Anxiety and depression among US college students engaging in undergraduate research during the COVID-19 pandemic. *Journal of American College Health* 72(1):20-30. DOI: 10.1080/07448481.2021.2013237.

Chakraborty, J., **T. Collins**, and S. Grineski. 2023. Disability and subsidized housing residency: The adverse impacts of Winter Storm Uri in metropolitan Texas. *Disability and Health Journal* 16(2):101403.

Frederick, A., A. Monarrez, D. Morales, H. Daniels, S. Grineski, and **T. Collins**. 2023. “Your family is always with you”: Perceptions of parental relationships among Hispanic/Latinx young adults pursuing STEM careers. *CBE-Life Sciences Education* 22(4):ar39

Grineski, S., D. Morales, and **T. Collins**. 2023. Modifying summer undergraduate research programs during COVID-19 increased graduate school intentions but exacerbated student anxieties. *CBE-Life Sciences Education* 22(3):ar32.

Riyadh, A., T. Cova, **T. Collins**, and R. Medina. 2023. Comparing GIS-based flood resilience models in a developing nation: A case study in Bangladesh. *Natural Hazards Review* 24(4):05023011.

Anderegg, W., **T. Collins**, S. Grineski, S. Nicholls, and C. Nolte. 2023. Climate change greatly escalates forest disturbance risks to US property values. *Environmental Research Letters* 18:094011.

Morales, D., S. Grineski, and **T. Collins**. 2023. Advancing understanding of discordant mentoring relationships in STEMM: A method and framework. *Annals of the New York Academy of Sciences* 1526(1):8-15.

- Grineski, S., M. Scott, **T. Collins**, J. Chakraborty, and *K. Ramos. 2023. Anxiety and depression after Winter Storm Uri: Cascading disasters and mental health inequities. *International Journal of Disaster Risk Reduction* 96: 103933.
- Rashidi Shikhteymour, S., M. Borji, M. Bagheri Gavkosh, E. Azimi, and **T. Collins**. 2023. A novel framework for assessing flood risk using artificial intelligence and multi-criteria decision making methods. *Applied Geography* 158:103035.
- van Haren, K., J. Wilkes, A. Moser, G. Raymond, T. Richardson, P. Aubourg, **T. Collins**, E. Mowry, and J. Bonkowsky. 2023. Vitamin D status & latitude predict brain lesions in adrenoleukodystrophy. *Annals of the Child Neurology Society* 1(2):155-161.
- Shaker, Y., S. Grineski, **T. Collins**, and A. Flores. 2023. Redlining, racism and food access in US urban cores. *Agriculture and Human Values* 40:101-112.
- Grineski, S., *C. Alexander, R. Renteria, **T. Collins**, D. Bilder, J. VanDerslice, and A. Bakian. 2023. Trimester-specific ambient PM_{2.5} exposures and risk of intellectual disability in Utah. *Environmental Research* 218(1):115009.
- Grineski, S., **T. Collins**, J. Chakraborty, E. Goodwin, J. Aun, and *K. Ramos. 2023. Social disparities in the duration of power and piped water outages in Texas after Winter Storm Uri. *American Journal of Public Health* 113(1):30-34.
- Rigolon, A., and **T. Collins**. 2023. Critical commentary: The green gentrification cycle. *Urban Studies* 60(4):770-785.
- Flores, A., **T. Collins**, S. Grineski, M. Amodeo, J. Porter, C. Sampson, O. Wing. 2023. Federally-overlooked flood risk inequities in Houston, Texas: Novel insights based on dasymetric mapping and state-of-the-art flood modeling. *Annals of the Association of American Geographers* 113(1):240-260.
- Morales, D. S. Grineski, and **T. Collins**. 2023. Racial/ethnic and gender inequalities in third grade children's self-perceived STEM competencies. *Educational Studies* 49(2):402-417.
- Grineski, S., **T. Collins**, and J. Chakraborty. 2022. Cascading disasters and mental health inequities: Winter Storm Uri, COVID-19 and post-traumatic stress in Texas. *Social Science & Medicine* 315:115523.
- Collins**, T., S. Grineski, Y. Shaker, and C. Mullen. 2022. Communities of color are disproportionately exposed to long-term and short-term PM_{2.5} in metropolitan America. *Environmental Research* 214(4):114038.
- Collins**, T., and S. Grineski. 2022. Racial/ethnic disparities in short-term PM_{2.5} exposures in the United States. *Environmental Health Perspectives* 130(8):087701.
- Chakraborty, J., T. Collins, S. Grineski, and J. Aun. 2022. Air pollution exposure disparities in US public housing developments. *Scientific Reports* 12:9887.
- Grineski, S., D. Morales, **T. Collins**, S. Nadybal, and *S. Trego. 2022. A US national study of barriers to science training experienced by undergraduate students during COVID -19. *International Journal of Environmental Research and Public Health* 19:653.
- Grineski, S., R. Renteria, **T. Collins**, *A. Mangadu, *C. Alexander, D. Bilder, and A. Bakian. 2022. Associations between estimates of perinatal industrial pollution exposures and intellectual disability in Utah children. *Science of the Total Environment* 836:155630.
- Rubio, R., S. Grineski, and **T. Collins**. 2022. Carcinogenic air pollution along the United States' southern border: Neighborhood inequities in risk. *Environmental Research* 212:113251.
- Grineski, S., **T. Collins**, and C. Mullen. 2022. When not implemented communally, citizen science efforts may reflect, reinforce, and potentially exacerbate environmental injustice. *American Journal of Public Health* 112(3):348-350.

- Collins, T.**, S. Grineski, and S. Nadybal. 2022. A comparative approach for environmental justice analysis: Explaining divergent societal distributions of particulate matter and ozone pollution across U.S. neighborhoods. *Annals of the American Association of Geographers* 112(2):522-541.
- Collins, T.**, S. Grineski, and D. Morales. 2022. We need environmental health justice research and action for LGBTQ+ people. *American Journal of Public Health* 112(1):54-56.
- Mullen, C., A. Flores, S. Grineski, and **T. Collins**. 2022. Exploring the distributional environmental justice implications of a non-governmental network of air quality monitoring sensors in Los Angeles County. *Environmental Research* 206:112612.
- Morales, D, S. Grineski, and **T. Collins**. 2022. Undergraduate researchers' graduate school intentions during COVID-19. *Annals of the New York Academy of Sciences* 1508(1):137-154.
- Renteria, R., S. Grineski, **T. Collins**, A. Flores, and *S. Trego. 2022. Social disparities in neighborhood heat in the Northeast United States. *Environmental Research* 203:111805.
- Morales, D. S. Grineski, and **T. Collins**. 2021. Effects of mentor-mentee discordance on Latinx undergraduates' intent to pursue graduate school and research productivity. *Annals of the New York Academy of Sciences* 1499(1):54-69.
- Allain, M., and **T. Collins**. 2021. Differential access to park space based on country of origin within Miami's Hispanic/Latino population: A novel analysis of park equity. *International Journal of Environmental Research and Public Health* 18:8364.
- Rubio, R., S. Grineski, and **T. Collins**. 2021. Children's lifetime cancer risks from vehicular air pollution in the United States: Environmental injustices at the intersection of race/ethnicity and language. *Environmental Sociology* 7(3):187-199.
- Grineski, S., **T. Collins**, R. Renteria, R. Rubio. 2021. Multigenerational immigrant trajectories and children's unequal exposure to fine particulate matter in the US. *Social Science & Medicine* 282:114108.
- McCullough, M., N. Wan, M. Pezzolesi, **T. Collins**, S. Grineski, D. Wei, J. Lazaro-Guevara, S. Frodsham, K. VanDerslice, S. Clements, J. Holmen, and T. Srinivas. 2021. Type 1 diabetes incidence among youth in Utah: A geographical analysis. *Social Science & Medicine* 278:113952.
- Flores, A., **T. Collins**, S. Grineski, *A. Griego[±], C. Mullen[±], S. Nadybal[±], R. Renteria[±], R. Rubio[±], Y. Shaker[±], and *S. Trego ([±] equal authorship). 2021. Environmental injustice in the disaster cycle: Hurricane Harvey and the Texas Gulf Coast. *Environmental Justice* 14(2):146-158.
- Chakraborty, J., **T. Collins**, and S. Grineski. 2021. Exposure to Hurricane Harvey flooding for subsidized housing residents in Harris County, Texas. *Natural Hazards* 106(3):2185-2205.
- Frederick, A., S. Grineski, **T. Collins**, and H. Daniels, and D. Morales. 2021. The emerging STEM paths and science identities of Hispanic/Latinx college students: Examining the impact of multiple undergraduate research experiences. *CBE-Life Sciences Education* 20(2):ar18.
- Morales, D., S. Grineski, and **T. Collins**. 2021. Effects of mentoring relationship heterogeneity on student outcomes in summer undergraduate research. *Studies in Higher Education* 46(3):423-436.
- Flores, A., *A. Castor, S. Grineski, **T. Collins**, and C. Mullen. 2021. Petrochemical releases disproportionately affected socially vulnerable populations along the Texas Gulf Coast after Hurricane Harvey. *Population & Environment* 42:279-301.
- Mullen, C., S. Grineski, **T. Collins**, and D. Mendoza. 2020. Effects of PM_{2.5} on third grade students' proficiency in math and English language arts. *International Journal of Environmental Research and Public Health* 17(18):6931.
- *Griego, A., A. Flores, **T. Collins**, and S. Grineski. 2020. Social vulnerability, disaster assistance, and recovery: A population-based study of Hurricane Harvey in Greater Houston, Texas. *International Journal of Disaster Risk Reduction* 51:101766.

- Grineski, S., D. Morales, **T. Collins**, J. Wilkes, and J. Bonkowsky. 2020. Racial/ethnic and insurance status disparities in distance travelled to access children's hospital care for severe illness: The case of children with leukodystrophies. *Journal of Racial and Ethnic Health Disparities* 7:975-986.
- Rubio, R., S. Grineski, **T. Collins**, and D. Morales. 2020. Ancestry-based intracategorical injustices in carcinogenic air pollution exposures in the United States. *Society & Natural Resources* 33(8):987-1005.
- Frederick, A., H. Daniels, S. Grineski, and **T. Collins**. 2020. "I've never felt like that inhibits anything": The gendered frameworks of Hispanic women college students in a STEM program. *Gender and Education* 32(5):646-663.
- Nadybal, S., **T. Collins**, and S. Grineski. 2020. Light pollution inequities in the continental United States: A distributive environmental justice analysis. *Environmental Research* 189:109959.
- Flores, A., **T. Collins**, S. Grineski, and J. Chakraborty. 2020. Disparities in health effects and access to health care among Houston area residents after Hurricane Harvey. *Public Health Reports* 135(4):511-523.
- Mullen, C., S. Grineski, **T. Collins**, W. Xing, K. Kelly, R. Whitaker, T. Sayahi, T. Becnel, P. Goffin, P. Gaillardon, and M. Meyer. 2020. Patterns of distributive environmental inequity under different PM_{2.5} air pollution scenarios for Salt Lake County public schools. *Environmental Research* 186:109543.
- Grineski, S., D. Morales, **T. Collins**, J. Wilkes, and J. Bonkowsky. 2020. Geographic and specialty access disparities in U.S. pediatric leukodystrophy diagnosis. *Journal of Pediatrics* 220:193-199.
- Grineski, S., A. Flores, **T. Collins**, and J. Chakraborty. 2020. The impact of Hurricane Harvey on Greater Houston households: Comparing pre-event preparedness with post-event health effects, event exposures, and recovery. *Disasters* 44(2):408-432.
- Flores, A., **T. Collins**, S. Grineski, and J. Chakraborty. 2020. Social vulnerability to Hurricane Harvey: Unmet needs and adverse event experiences in Greater Houston, Texas. *International Journal of Disaster Risk Reduction* 46:101521.
- Grineski, S., **T. Collins**, and D. Adkins. 2020. Hazardous air pollutants are associated with worse performance in reading, math, and science among US primary schoolchildren. *Environmental Research* 181:108925.
- Collins, T.**, S. Nadybal, and S. Grineski. 2020. Sonic injustice: Disparate residential exposures to transport noise from road and aviation sources in the continental United States. *Journal of Transport Geography* 82:102604.
- Grineski, S., **T. Collins**, and R. Rubio. 2019. Distributional environmental injustices for a minority group without minority status: Arab Americans and residential exposure to carcinogenic air pollution in the US. *International Journal of Environmental Research and Public Health* 16:4899.
- Collins, T.**, S. Grineski, J. Chakraborty, and A. Flores. 2019. Environmental injustice and Hurricane Harvey: A household-level study of socially disparate flood exposures in Greater Houston, Texas, USA. *Environmental Research* 179(Part A):108772.
- Morales, D., S. Grineski, and **T. Collins**. 2019. School bullying, body size, and gender: An intersectionality approach to understanding children's bullying victimization in school. *British Journal of Sociology of Education* 40(8):1121-1137.
- *Rubio, R., S. Grineski, D. Morales, and **T. Collins**. 2019. The role of parents' nativity in shaping differential risks of food insecurity among US first graders. *Maternal and Child Health Journal* 23(7):910-918.
- Grineski, S., and **T. Collins**. 2019. Lifetime cancer risks from hazardous air pollutants in US public school districts. *Journal of Epidemiology & Community Health* 73:854-860.

- Collins, T.**, and S. Grineski. 2019. Environmental injustice and religion: Outdoor air pollution disparities in metropolitan Salt Lake City, Utah. *Annals of the American Association of Geographers* 109(5):1597-1617.
- Collins, T.**, S. Nadybal, and S. Grineski. 2019. Social disparities in exposure to noise at public schools in the contiguous United States. *Environmental Research* 175:257-265.
- Daniels, H., S. Grineski, **T. Collins**, and A. Frederick. 2019. Navigating social relationships with mentors and peers: Comfort and belonging among men and women in STEM summer research programs. *CBE-Life Sciences Education* 18(2):ar17.
- Sianez, M., L. Highfield, **T. Collins**, and S. Grineski. 2019. Burden of illness, primary care use, and medication utilization among US-México border children with wheezing. *Journal of Racial and Ethnic Health Disparities* 6(3):594-602.
- Grineski, S., D. Morales, **T. Collins**, *E. Hernandez, and *A. Fuentes. 2019. The burden of carcinogenic air toxics among Asian Americans in four US metro areas. *Population and Environment* 40(3):257-282.
- Morales, D., *N. Prieto, S. Grineski, and **T. Collins**. 2019. Race/ethnicity, obesity, and the risk of being verbally bullied: A national multilevel study. *Journal of Racial and Ethnic Health Disparities* 6(2):245-253.
- Chakraborty, J., S. Grineski, and **T. Collins**. 2019. Hurricane Harvey and people with disabilities: Disproportionate exposure to flooding in Houston, Texas. *Social Science & Medicine* 226:176-181.
- Chakraborty, J., **T. Collins**, and S. Grineski. 2019. Exploring the environmental justice implications of Hurricane Harvey flooding in Greater Houston, Texas. *American Journal of Public Health* 109(2):244-250.
- Grineski, S., D. Morales, **T. Collins**, and *R. Rubio. 2018. Transitional dynamics of household food insecurity impact children's developmental outcomes. *Journal of Developmental & Behavioral Pediatrics* 39(9):715-725.
- Morales, D., S. Grineski, and **T. Collins**. 2018. Effects of gender concordance in mentoring relationships on summer research experience outcomes for undergraduate students. *Science Education* 102(5):1029-1050.
- Sianez, M., L. Highfield, H. Balcazar, **T. Collins**, and S. Grineski. 2018. An examination of the association of multiple acculturation measures with asthma status among elementary school students in El Paso, Texas. *Journal of Immigrant and Minority Health* 20(4):884-893.
- Collins, T.**, S. Grineski, and J. Chakraborty. 2018. Environmental injustice and flood risk: A conceptual model and case comparison of metropolitan Miami and Houston, USA. *Regional Environmental Change* 18(2):311-323.
- Grineski, S., H. Daniels, **T. Collins**, D. Morales, and A. Frederick. 2018. The conundrum of social class: Disparities in publishing among STEM students in undergraduate research programs. *Science Education* 102(2):283-303.
- Grineski, S., and **T. Collins**. 2018. Geographic and social disparities in exposure to air neurotoxicants at U.S. public schools. *Environmental Research* 161:580-587.
- Jimenez, A., and **T. Collins**. 2017. "How do we not go back to the factory?" Contradictions of urban development for a Latina-led NGO. *City* 21(4):737-753.
- Collins, T.**, S. Aley, T. Boland, G. Corral, M. Cox, L. Echegoyen, S. Grineski, O. Morera, and H. Nazeran. 2017. BUILDing SCHOLARS: Enhancing diversity among biomedical researchers from the U.S. Southwest. *BMC Proceedings* 11(Suppl 12):12.
- Hurtado, S., ... **T. Collins** et al. (Diversity Program Consortium members). 2017. The Diversity Program Consortium: Innovating educational practice and evaluation along the biomedical research pathways. *BMC Proceedings* 11(Suppl 12):17.

- Collins, T.**, S. Grineski, and D. Morales. 2017. Environmental injustice and sexual minority health disparities: A national study of inequitable health risks from air pollution among same-sex partners. *Social Science & Medicine* 191:38-47.
- ***Rocha, J.**, S. Grineski, and **T. Collins**. 2017. A qualitative examination of factors shaping high and low exposures to hazardous air pollutants among Hispanic households in Miami. *Local Environment* 22(10):1252-1267.
- Grineski, S., **T. Collins**, J. Chakraborty, and **M. Montgomery**. 2017. Hazard characteristics and patterns of environmental injustice: Household-level determinants of environmental risk in Miami, Florida. *Risk Analysis* 37(7):1419-1434.
- Morales, D., S. Grineski, and **T. Collins**. 2017. Increasing research productivity in undergraduate research experiences: Exploring predictors of collaborative faculty-student publications. *CBE-Life Sciences* 16(2):ar42.
- Morales, D., S. Grineski, and **T. Collins**. 2017. Faculty motivation to mentor students through undergraduate research programs: A study of enabling and constraining factors. *Research in Higher Education* 58(5):520-544.
- Grineski, S., **T. Collins**, and D. Morales. 2017. Asian Americans and disproportionate exposure to carcinogenic hazardous air pollutants: A national study. *Social Science & Medicine* 185:71-80.
- Collins, T.**, S. Grineski, **J. Shenberger-Trujillo**, D. Morales, O. Morera, and L. Echegoyen. 2017. Undergraduate research participation is associated with improved student outcomes at a Hispanic-serving institution. *Journal of College Student Development* 58(4):583-600.
- Chakraborty, J., **T. Collins**, S. Grineski, and **A. Maldonado**. 2017. Racial differences in perceptions of air pollution health risk: Does environmental exposure matter? *International Journal of Environmental Research and Public Health* 14(2):116.
- Chakraborty, J., **T. Collins**, and S. Grineski. 2017. Cancer risks from exposure to vehicular air pollution: A household level analysis of intra-ethnic heterogeneity in Miami, Florida. *Urban Geography* 38(1):112-136.
- Collins, T.**, S. Grineski, and D. Morales. 2017. Sexual orientation, gender, and environmental injustice: Unequal carcinogenic air pollution risks in Greater Houston. *Annals of the American Association of Geographers* 107(1):72-92.
- Grineski, S., **T. Collins**, and **Y. Kim**. 2016. Contributions of individual acculturation and neighborhood ethnic density to variations in Hispanic children's respiratory health in a U.S.-Mexican border metropolis. *Journal of Public Health* 38(3):441-449.
- Clark-Reyna, S.**, S. Grineski, and **T. Collins**. 2016. Health status and residential exposure to air toxics: What are the effects on children's academic achievement? *Family & Community Health* 39(3):160-168.
- ***Daniels, H.**, S. Grineski, **T. Collins**, D. Morales, O. Morera, and L. Echegoyen. 2016. Factors influencing student gains from undergraduate research experiences at a Hispanic serving institution. *CBE-Life Sciences* 15(3):ar30.
- Morales, D., S. Grineski, and **T. Collins**. 2016. Influences on faculty willingness to mentor undergraduate students from another university as part of an inter-institutional research training program. *CBE-Life Sciences* 15(3):ar35.
- Chakraborty, J., **T. Collins**, and S. Grineski. 2016. Editorial for Special Issue: Environmental justice research: Contemporary issues and emerging topics. *International Journal of Environmental Research and Public Health* 13(11):1072.
- Clark-Reyna, S.**, S. Grineski, and **T. Collins**. 2016. Ambient concentrations of metabolic disrupting chemicals and children's academic achievement in El Paso, Texas. *International Journal of Environmental Research and Public Health* 13(9):874.

- Maldonado, A., **T. Collins**, S. Grineski, and J. Chakraborty. 2016. Exposure to flood hazards in Miami and Houston: Are Hispanic immigrants at greater risk than other social groups? *International Journal of Environmental Research and Public Health* 13(8):775.
- Grineski, S., S. Clark-Reyna, and **T. Collins**. 2016. School-based exposure to hazardous air pollutants and grade point average: A cross-sectional study. *Environmental Research* 147:164-171.
- Clark-Reyna, S., S. Grineski, and **T. Collins**. 2016. Residential exposure to air toxics is linked to lower grade point averages among school children in El Paso, Texas, USA. *Population and Environment* 37(3):319-340.
- *Maldonado, A., **T. Collins**, and S. Grineski. 2016. Hispanic immigrants' vulnerabilities to flood and hurricane hazards in two US metro areas. *Geographical Review* 106(1):109-135.
- Grineski, S., **T. Collins**, and L. Romo Aguilar. 2015. Environmental injustice along the US-Mexico border: Residential proximity to industrial parks in Tijuana, Mexico. *Environmental Research Letters* 10:095012.
- Collins, T.**, S. Grineski, and J. Chakraborty. 2015. Household-level disparities in cancer risks from vehicular air pollution in Miami. *Environmental Research Letters* 10:095008.
- Collins, T.**, S. Grineski, J. Chakraborty, M. Montgomery, and M. Hernandez. 2015. Downscaling environmental justice analysis: Determinants of household-level hazardous air pollutant exposure in Greater Houston. *Annals of the Association of American Geographers* 105(4):685-703.
- Grineski, S., **T. Collins**, and H. Olvera. 2015. Local variability in the impacts of residential particulate matter and pest exposure on children's wheezing severity: A geographically weighted regression analysis of environmental health justice. *Population and Environment*. 37(1):22-43.
- McDonald, Y., S. Grineski, **T. Collins**, and Y. Kim. 2015. A scalable climate health justice assessment model. *Social Science & Medicine* 133:242-252.
- Chavez-Payan, P., S. Grineski, and **T. Collins**. 2015. Early life and environmental risk factors modify the effect of acculturation on Hispanic children's asthma. *Hispanic Health Care International* 13(3):119-130.
- *Balcazar, A., S. Grineski, and **T. Collins**. 2015. The Hispanic health paradox across generations: The relationship of child generational status and citizenship with health outcomes. *Public Health* 129(6):691-697.
- Montgomery, M., J. Chakraborty, S. Grineski, and **T. Collins**. 2015. An environmental justice assessment of public beach access in Miami, Florida. *Applied Geography* 62:147-156.
- Hernandez, M. ±, **T. Collins** ±, and S. Grineski. 2015. Immigration, mobility, and environmental injustice: A comparative study of Hispanic people's residential decision-making and exposure to hazardous air pollutants in Greater Houston, Texas. *Geoforum* 60:83-94.
- *Balcazar, A., S. Grineski, and **T. Collins**. 2015. The durability of immigration-related barriers to healthcare access for Hispanics across generations. *Hispanic Journal of Behavioral Sciences* 37(1):118-135.
- Grineski, S., **T. Collins**, J. Chakraborty and M. Montgomery. 2015. Hazardous air pollutants & flooding: A comparative interurban study of environmental injustice. *GeoJournal* 80(1):145-158.
- Grineski, S., **T. Collins**, Y. McDonald, R. Aldouri, F. Aboargob, A. Eldeb, L. Romo Aguilar, and G. Velázquez-Angulo. 2015. Double exposure and the climate gap: Changing demographics and extreme heat in Ciudad Juárez, Mexico. *Local Environment* 20(2):180-201.
- Chakraborty, J., **T. Collins**, S. Grineski, M. Montgomery, and M. Hernandez. 2014. Comparing disproportionate exposure to acute and chronic pollution risks: A case study in Houston, Texas. *Risk Analysis* 34(11):2005-2020.
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- Peer-Reviewed Book Chapters*
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Edited Volumes

- Editor (with J. Heyman)**. 2009. Special Feature: Eric Wolf Prize. *Journal of Political Ecology* 16.
- Editor (with J. Chakraborty and S. Grineski)**. 2016. Special Issue: Environmental Justice Research: Contemporary Issues and Emerging Topics. *International Journal of Environmental Research and Public Health*.

Datasets

- Collins, T.**, J. Chakraborty, and S. Grineski. 2023. Texas Winter Storm (2021) Social Survey. DesignSafe-CI. <https://doi.org/10.17603/ds2-3q26-td86>.

Non-Peer-Reviewed Publications

- Collins, T.** (contributing panelist and author). 2023. *Final Report: Review of the Updated Methodology of EPA's Environmental Justice Screening and Mapping Tool (EJScreen version 2.1)*. Environmental Protection Agency, Science Advisory Board, Report #: EPA-SAB-24-002. Available online at: https://sab.epa.gov/ords/sab/f?p=114:0:2538498071829:APPLICATION_PROCESS=REPORT_DOC:::REPORT_ID:1123
- Collins, T.** 2014. Bordering authority, circumventing resistance: ASARCO and the search for environmental justice in the *Paso del Norte*. Invited submission for a “Special Focus web-series” titled *Political Ecology in Bordered Spaces*. Public Political Ecology Lab, School of Geography and Development, University of Arizona. Available online at: <http://ppel.arizona.edu/?p=592>
- Collins, T.**, S. Grineski, P. Ford, R. Aldouri, G. Velázquez-Angulo, R. Fitzgerald, L. Romo Aguilar, and D. Lu. 2011. *Métodos para la cartografía de la vulnerabilidad social a las amenazas del cambio climático: una aplicación en la frontera México-Estados Unidos*. Published peer-reviewed/refereed proceedings, *II Coloquio Mesoamericano de Investigación y Acción Social en Desastres y Salud*.
- Grineski, S., **T. Collins**, and A. Jimenez. 2011. *Los impactos desproporcionados en la salud debido a un desastre por las inundaciones en El Paso (Tejas, EE.UU.)*. Published peer-reviewed/refereed proceedings, *II Coloquio Mesoamericano de Investigación y Acción Social en Desastres y Salud*.

- Gill, T., **T. Collins**, and D. Novlan. 2010. Differential impacts of flash flooding across the *Paso del Norte*: lessons learned from a 2006 storm have implications for urban flood planning in Southwestern mountain and border cities. *Southwest Hydrology* 9(1):20-21, 33. (Editor-reviewed research brief in trade journal).
- Gill, T., **T. Collins**, and D. Novlan. 2009. Flash flooding in the El Paso-Ciudad Juárez (US-Mexico) border metropolex: variable intensity and differential impacts. *Urban Climate News* 32(June):10-14. (Invited, editor-reviewed research brief in professional newsletter). Available online at: <https://urban-climate.org/wp-content/uploads/2023/02/IAUC032.pdf>
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- Collins, T.**, and T. Cashman. 2007. National Geographic Society, UTEP, and local teachers partner to advance geography education in the El Paso area. *Texas Alliance for Geographic Education Newsletter* (Fall):7.

Manuscripts in Review or in Progress by Invitation

- Grineski, S., ***C. Avondet**, D. Morales, **T. Collins**, **Y. Chavez**, and **S. Armendariz**. In review (submitted 02/23/24). The impact of depression on undergraduate research outcomes: Can high quality faculty mentorship help? *CBE-Life Sciences Education*.
- Morales, D., S. Grineski, and **T. Collins**. In review (submitted 02/17/24). Inadequate mentoring in undergraduate research experiences: Exploring protective factors. *Annals of the New York Academy of Sciences*.
- Scott, M.**, S. Grineski, **T. Collins**, and D. Adkins. In review (submitted 02/14/24). Disparities in residential air conditioning access across ten US metropolitan areas. *Journal of Exposure Science & Environmental Epidemiology*.
- Collins, T.**, S. Grineski, and **R. Rubio**. In review (submitted 12/21/23). Race, historical redlining, and contemporary transportation noise disparities in the United States. *Journal of Exposure Science & Environmental Epidemiology*.
- Rigolon, A., **T. Collins**, **J. Kim**, M. Stuhlmacher, and J. Christensen. In review (submitted 08/30/23; resubmitted 02/23/24). Does gentrification precede and follow greening? Evidence about the green gentrification cycle in Los Angeles and Chicago. *Landscape and Urban Planning*.
- Grineski, S., D. Mallia, **T. Collins**, M. Araos, J. Lin, W. Anderegg, and K. Perry. In review (submitted 08/11/23). Harmful dust from drying lakes Health and equity implications of adaptation pathways for the Great Salt Lake, USA. *One Earth*.
- Grineski, S., D. Morales, **T. Collins**, **Y. Chavez**, ***C. Avondet**, and ***N. Pasillas**. In review (submitted 06/23/23). Mentorship, remote engagement, and COVID-19: Student wellbeing during summer 2022 research experiences for undergraduates (REUs). *Journal of American College Health*.
- Flores, A.**, F., **T. Collins**, S. Grineski, M. Amodio, J. Porter, C. Sampson, and O. Wing. In review (submitted 10/04/23). Federally-overlooked flood risk inequities in the conterminous United States. *Landscape and Urban Planning*.

External Projects, Grants, Fellowships, and Awards

Projects, Grants, and Funding

- Research Grant.** Co-I for “Addressing air pollution inequities in the Salt Lake Valley through community-engaged particle monitoring (API-SLV).” Environmental Protection Agency. (RFA# EPA-OAR-OAQPS-22-01). (PI: Nancy Daher, Utah Division of Air Quality; Co-Is: Kerry Kelly, Sara Grineski (\$285,379; UU portion: \$124,086). Submitted 03/26/22; Start 10/01/2022-End 09/30/2025.
- Research Training Grant.** Multi-PI for “Academic Year Health, Air Pollution, and Population Initiative in Education and Science Training (AY HAPPIEST).” National Institutes of Health, National Institute of Environmental Health Sciences, Administrative Supplement (Award #: 3R25ES031497-02S). (Multi-PI: Sara Grineski) (\$106,836; direct = \$99,687). Submitted 04/06/22; Start 08/18/2022-End 08/31/2023.
- Research Infrastructure Grant.** Co-PI for “SEA-AHEAD: Southeast Asia - Asia, Health, Environment and Development Initiative”. Henry Luce Foundation, Luce Initiative on Southeast Asia (LuceSEA). (PI: Kim Korinek; Co-PI: Andrew Linke). (\$590,000). Submitted 01/28/2022; Start 07/01/2022-End 06/30/2027.
- Federal Research Project.** PI for “Intersectional Environmental Justice: Examining Micro-level Disparities in Multiple Environmental Outcomes.” Census Bureau Federal Statistical Research Data Center Project (#2717). Collaborators (Sara Grineski, Daniel Adkins, Simon Brewer, Philip Dennison, and a team of graduate students). Start 04/11/2022-End 04/10/2027.
- Research Grant.** Co-PI for “Collaborative Research: Effects of mentoring relationship heterogeneity on student outcomes among NSF Research Experiences for Undergraduates (REU) program participants.” National Science Foundation Education and Human Resources (Award #: 2055379). Partner institutions: University of Utah (PI: Sara Grineski) and UTEP (PI: Danielle Morales). (Utah budget: \$261,423; UTEP budget: 247,938). Start 07/01/2021-End 06/30/2024.
- Research Training Supplement.** Co-PI for “Research Experiences for Undergraduates: Collaborative Research: RAPID: Effects of mentoring relationship heterogeneity on student outcomes among NSF Research Experiences for Undergraduates (REU) program participants.” National Science Foundation Education and Human Resources (Supplement to Award #: 2055379). (PI: Sara Grineski). (\$16,000). Start 07/01/2022 – End 06/30/2024.
- Research Grant.** PI for “Collaborative Research: RAPID: Cascading Impacts of the 2021 Texas Winter Storm on Subsidized Housing Residents: A Comparative Analysis.” National Science Foundation Humans, Disasters, and the Built Environment (HDBE) Program (Award #: CMMI-2127932). Partner institutions: University of Utah (Co-PI: Sara Grineski) and UTEP (PI: Jayajit Chakraborty). (Utah budget: \$84,335; UTEP budget: \$30,400). Start 05/01/2021-End 04/30/2023.
- Research Training Supplement.** PI for “Research Experiences for Undergraduates: Collaborative Research: RAPID: Cascading Impacts of the 2021 Texas Winter Storm on Subsidized Housing Residents: A Comparative Analysis.” National Science Foundation HDBE Program (Supplement to Award #: CMMI-2127932). (Co-PI: Sara Grineski). (\$16,000). Start 11/26/2021 – End 04/30/2023.
- Research Training Grant.** Multi-PI for “Health, Air Pollution, and Population Initiative in Education and Science Training (HAPPIEST).” National Institutes of Health, National Institute of Environmental Health Sciences, R25 (Award #: R25ES031497). (Multi-PI: Sara Grineski) (\$539,990; direct = \$499,990). Start 02/01/2021-End 1/31/2026.

- Research Training Grant.** Co-PI for “Enabling the Next Generation of Hazards Researchers.” National Science Foundation HDBE Program (Award #: CMMI-1921157). (PI: Tom Cova; Co-PIs: Sara Grineski and Terri Norton). (\$480,634). Start 08/01/2019-End 07/31/2023.
- Research Training Supplements.** Co-PI for “Research Experiences for Undergraduates: Enabling the Next Generation of Hazards Researchers.” National Science Foundation HDBE Program (Two supplements to Award #: CMMI-1921157). (PI: Tom Cova; Co-PIs: Sara Grineski and Terri Norton). (Totaling \$32,000). Start 12/18/2020-End 07/31/2023.
- Research Grant.** Co-I for “Leukodystrophy disease burden and diagnosis.” National Institutes of Health, National Center for Advancing Translational Sciences (Award #: 3UL1TR002538-01S1). (PI: Willard Dere [PI of U of U CTSA, this is a supplement award through a parent grant]; Key Personnel: Joshua Bonkowski [project PI], Sara Grineski [project Co-I]). (\$263,311; direct = \$179,893). Start 08/01/2018-End 02/28/2019.
- Research Grant.** PI for “RAPID: Trajectories of social vulnerability among Houston Area households: A pre- and post-event study of Hurricane Harvey.” National Science Foundation HDBE Program (Award #: CMMI-1760655/1841654). (Co-PIs: Sara Grineski and Jayajit Chakraborty). (\$49,906). Start 10/01/2017-End 09/30/2019.
- Research Training Supplement.** PI for “Research Experiences for Undergraduates: RAPID: Trajectories of social vulnerability among Houston Area households: A pre- and post-event study of Hurricane Harvey.” National Science Foundation HDBE Program (Supplement to Award #: CMMI-1841654). (Co-PI: Sara Grineski). (\$16,000). Start 01/01/2019-End 09/30/2019.
- Research Training Grant.** PD/PI for “Building Infrastructure Leading to Diversity: Southwest Consortium of Health-Oriented education Leaders and Research Scholars” (BUILDing SCHOLARS). The National Institutes of Health Building Infrastructure Leading to Diversity (BUILD) Initiative (NIH Linked Award #s: RL5GM118969, TL4GM118971, and UL1GM118970) (Multi-PI/PD team includes: Stephen Aley, Thomas Boland, Marc Cox, Lourdes Echegoyen, Sara Grineski, Osvaldo Morera, Amy Wagler). (\$22,633,493). Start 09/26/2014-End 06/30/2019.
- Research Training Grant.** PD/PI for “BUILDing SCHOLARS.” Planning Grants for the National Institutes of Health BUILD Initiative (NIH Award #: 1P20MD008700-01) (Multi-PI/PD team includes: Renato Aguilera, Lourdes Echegoyen, Sara Grineski, Osvaldo Morera; Co-Is: Thomas Boland, Junius Gonzales). (\$225,816). Start 09/25/2013-End 03/31/2014.
- Research Grant.** PI for “Advancing environmental equity research: vulnerability to air pollution and flood risks in Houston and Miami.” National Science Foundation Infrastructure Management and Extreme Events (IMEE) Program (Award #: CMMI-1129984). Partner institutions: UTEP (Co-PI: Sara Grineski) and University of South Florida (USF; PI: Jayajit Chakraborty). (\$389,992; UTEP: \$244,240; USF: \$145,752). Start 09/01/2011-End 08/31/2016.
- Research Training Supplements.** PI for “Research Experiences for Undergraduates: Advancing environmental equity research: vulnerability to air pollution and flood risks in Houston and Miami.” National Science Foundation IMEE Program (Three Supplements to Award #: CMMI-1129984). (Co-PI: Sara Grineski). (Totaling \$26,000). Start 09/01/2012-End 08/31/2016.
- Research Grant.** Co-I for “Hispanic Health Disparities Research Center: Revision Application to Support Environmental Health Disparities”, which established a National Institute on Minority Health and Health Disparities/Environmental Protection Agency Center of Excellence in Environmental Health. National Institutes of Health and Environmental Protection Agency (NIH Award #: P20MD002287-05S1). (PI: Elias Provencio-Vasquez; Co-Is: Sara Grineski, Paula Ford, Hector Olvera). (\$752,795). Start 10/01/2011-End 06/30/2014.

- Research Grant.** PI for “Children’s vulnerability to climate change: a spatial and temporal assessment of two US-Mexico border metropolitan areas.” Southwest Consortium for Environmental Research and Policy (SCERP) Competitive Team Research Program, Environmental Protection Agency (Award #: EM 83486101-01). (PI: Gilberto Velazquez; Co-PIs: Raed Aldouri, Paula Ford, Sara Grineski, Rosa Fitzgerald, Lourdes Romo). (Awarded: \$239,998; Received: \$129,896 [due to federal budget cuts]). Start 01/01/2011-End 05/31/2013.
- Research Grant.** Co-I for “Earth, Life and Semantic Web (ELSeWeb): An Earth observation driven Semantic Web system for computational modeling of the impact of changing environments on health and disease.” National Aeronautics and Space Administration (Additional Allocation to Award #: NNX12AF49A). (PI: Deana Pennington; Co-I: Paulo Pinheiro da Silva). (\$125,980). Start of Additional Allocation 01/10/2013-End 02/06/2014.
- Research Grant.** Co-I for “Earth, Life and Semantic Web (ELSeWeb): An Earth observation driven Semantic Web system for computational modeling of the impact of changing environments on health and disease.” National Aeronautics and Space Administration (Award #: NNX12AF49A). (PI: Deana Pennington; Co-I: Paulo Pinheiro da Silva). (\$669,966). Start 02/07/2012-End 02/06/2014.
- Education Grant.** Co-PI for “Geographic education summer seminars.” Texas Fund for Geography Education, sponsored by the Texas Legislature and the National Geographic Society. (\$31,461). 2006-2007.
- Research Contract.** PI for “A baseline social assessment for the Multi-party Monitoring Board of the White Mountain Stewardship Contract.” United States Forest Service, Apache-Sitgreaves National Forest, Arizona. (\$5,000). 2005-2006.
- Fellowship.** Fellowship, National Science Foundation Integrative Graduate Education and Research Training (IGERT) in Urban Ecology. Full financial support during academic year; additional research, travel and summer stipends. (Totaling ~\$150,000). 2000-2005.

Pending

- Research Grant.** Site PI for “A Proposal to Host the Southwest Climate Adaptation Science Center (SWCASC).” United States Geological Survey. (Multi-institutional consortium; Lead PI: Tamara Wall, Desert Research Institute) (UU budget: \$770,875). Project dates: Submitted 02/01/2024; Start 10/01/2024-End 09/30/2029.
- Research Grant.** Co-PI for “Spatiotemporal geographies of the green gentrification cycle.” National Science Foundation Human-Environment and Geographical Sciences (HEGS) Program and Environmental Sustainability Program. (PI: Alessandro Rigolon; Co-PIs: Michelle Stuhlmacher and Jon Christensen). (\$399,499). Start 09/01/2024-End 08/31/2027.

In Revision for Resubmission

- Research Grant.** Multi-PI for “Transgenerational Heavy Metal Exposures and Children’s Risk of Intellectual Disability.” National Institutes of Health, National Institute of Environmental Health Sciences, R01. (Multi-PIs: Sara Grineski, James VanDerslice; Co-Is: Amanda Bakian, Deborah Bilder, Yue Zhang) (\$2,363,271; Direct: \$1,605,702). Project dates: Submitted 10/05/22; Start 08/01/2023-End 07/31/2028.
- Research Grant.** Co-I for “The Project to Reduce Early Death by Uncovering Causal Explanations: Suicide (Project REDUCE: Suicide).” National Institute of Mental Health, R01. (PI: Nina de Lacy; Co-Is: David Danks; Bernice Pescosolido; Ken Smith; Fernando Wilson; Timothy Collins; Evan Goldstein) (\$2,058,669; Direct: \$1,460,337). Project dates: Submitted 10/13/22; Start 07/01/2023-End 06/30/2027.

Research Grant. Site Co-I for “Latitude, Vitamin D, and UV Exposure as Determinants of Brain Lesions in Boys with X-linked Adrenoleukodystrophy.” National Institutes of Health, UG3. (Multi-institutional consortium; Lead PI: Keith Van Haren, Stanford University; UU Site PI: Joshua Bonkowsky) (UU direct: \$569,562). Project dates: Submitted 03/08/2023; Start 12/01/2023-End 11/30/2028.

Honors and Fellowships

Excellence in Diversity, Equity, Inclusion, and Accessibility (DEIA) Mentorship. 2022.

National Institutes of Health. (*Administrative supplement co-awarded with Dr. Sara Grineski.*)

Rosalind Franklin Society Award in Science. 2022. Award for best paper for the year 2021 by a woman or an underrepresented minority in *Environmental Justice*. (*For Flores et al., “Environmental injustice in the disaster cycle: Hurricane Harvey and the Texas Gulf Coast.”*)

Advancing Equity and Connecting Communities Award. 2022. College of Social and Behavioral Science, University of Utah. (*Awarded to the eight faculty/staff of the Environmental and Sustainability Studies Program.*)

Outstanding Mentor Award. 2021. Department of Geography, University of Utah.

Outstanding Faculty Award. 2016. College of Liberal Arts, UTEP.

Outstanding Performance Award. 2011-2012, 2014. For outstanding performance in securing extramural funding. Office of Research and Sponsored Projects, UTEP.

Fellow. 2009-2010. National Science Foundation-funded “Enabling the next generation of hazards and disasters researchers” program.

Eric Wolf Prize. 2007. Society for Applied Anthropology (SfAA). Prize for best paper based on a dissertation in the field of political ecology.

Gilbert F. White Award. 2006. Association of American Geographers. Award for best dissertation in the field of hazards geography.

Jeanne X. Kasperson Award. 2005. Hazards Specialty Group student paper competition, Association of American Geographers.

Research Presentations

Student co-authors are underlined (those conducting the research as undergraduates have an *)

2023

Environmental justice and health equity dimensions of a cascading disaster: Winter Storm Uri. UU, Department of Anthropology Colloquium Series. March. March 6. (T. Collins).

Winter Storm Uri in Texas: Environmental injustices and health inequities. UTEP, Center for Inter-American and Border Studies, Hispanics and Climate Change Colloquium Series. February 23, virtual event. (T. Collins and S. Grineski).

Air pollution, exposure to contaminants, and education policy. UCLA, Center for the Transformation of Schools, Our Children Can’t Wait Webinar Series. February 8, virtual event. (S. Grineski and T. Collins).

2022

Redlining, racism and food access in US urban cores. Sociology of Food. American Sociological Association Annual Meeting. Los Angeles, CA. August. (Y. Shaker, S. Grineski, T. Collins, A. Flores).

Winter Storm Uri as a cascading disaster: Inequities in power and piped water outages among metro-Texans. Weather and Disasters Roundtable. American Sociological Association Annual Meeting. Los Angeles, CA. August. (S. Grineski, T. Collins, J. Chakraborty, E. Goodwin, J. Aun, *K. Ramos).

Mental health disparities after the 2021 Texas Winter Storm. Special Session: “A geospatial perspective on environmental exposure and human health.” GeoMed 2022. University of California Irvine. October 12-14. (T. Collins: presenter, S. Grineski, E. Goodwin, *K. Ramos).

Understanding the societal impacts of racial and income disparities. College of Social and Behavioral Science Social Solutions Series. University of Utah, Salt Lake City, UT. March 25. (T. Collins, moderator; P. Fielding-Singh, A. Asnaani, C. Holzner, F. Wilson, presenters).

2021

Challenges to geospatial assessment of environmental justice for climate change-related hazards. Virtual Workshop on Geospatial Needs for Environmental Justice; Mapping Science Committee; National Academies of Sciences, Engineering, and Medicine. May, virtual event. (T. Collins, panelist and presenter).

Interrogating measures of ethnicity in park equity research: Differential access based on country-of-origin within Miami’s heterogeneous Hispanic population. American Association of Geographers Annual Meeting. April, virtual event. (M. Allain, T. Collins).

Disparities in Extreme Heat Exposure in Maricopa County, Arizona: The Intersection of Race/ethnicity and Older Age. American Association of Geographers Annual Meeting. April, virtual event. (*S. Trego, T. Collins, S. Grineski, A. Flores, R. Renteria).

Measuring Inequities in Exposure to 100-year Flood Risk in Houston, Texas: A Comparative Approach Using Two Flood Models. American Association of Geographers Annual Meeting. April, virtual event. (A. Flores, T. Collins, S. Grineski, C. Sampson).

Neighborhood disparities in air pollution exposure at the US-Mexico border: The intersection of race/ethnicity and older age. American Association of Geographers Annual Meeting. April, virtual event. (*C. Child, T. Collins, S. Grineski).

Water vulnerability assessment at sub-basins level in Nepal. American Association of Geographers Annual Meeting. April, virtual event. (K. Thapa, S. Brewer, T. Collins, S. Rupper).

Neighborhood heat disparities in the Northeast United States. American Sociological Association Annual Meeting. August, virtual event. (R. Renteria, S. Grineski, T. Collins, *S. Trego, A. Flores).

Environmental Justice Implications of a Non-Governmental Network of Air Quality Monitoring Sensors in Los Angeles County. American Sociological Association Annual Meeting. August, virtual event. (C. Mullen, S. Grineski, T. Collins, A. Flores).

2020

Environmental justice research: General overview and local study results. Utah Valley University, Department of Earth Science Colloquium Series. November, virtual event. (T. Collins).

Understanding environmental justice. Qualtrics event for Hispanic Heritage Month. September, virtual event. (T. Collins, S. Grineski, A. Flores, C. Mullen, R. Rubio, and *S. Trego).

Hurricane Harvey: Impacts on vulnerable populations. Paper presented at HurriCon: Science at the Intersection of Hurricanes and the Populated Coast (National Science Foundation-funded). Greenville, NC. February 2020. (A. Flores, T. Collins, S. Grineski, J. Chakraborty).

2019

Unequal exposures to environmental health hazards: A social-geographical science perspective. U of U College of Social & Behavioral Science Transfer Symposium Series. Salt Lake Community College Redwood Campus, UT. March. (T. Collins).

Social Disparities in Exposure to Accidental Releases of Chemical Toxins in the Texas Gulf Coast Area after Hurricane Harvey. Southwest Social Science Association. San Diego, CA. October. (*Castor, A., A. Flores, C. Mullen, S. Grineski, T. Collins).

- Social Vulnerability, Recovery Aid and the Speed of Recovery: Results from a survey conducted after Hurricane Harvey in Greater Houston, Texas. Southwest Social Science Association. San Diego, CA. October. (*Griego, A., A. Flores, S. Grineski, T. Collins).
- Disparities in Health Impacts and Access to Care among Houston Area Residents after Hurricane Harvey. University of Colorado-Boulder Natural Hazards Center Researchers Meeting. Broomfield, Colorado. July. (A. Flores, T. Collins, S. Grineski, J. Chakraborty).
- Disparities in Health Impacts and Access to Care among Houston Area Residents in Hurricane Harvey. American Association of Geographers Annual Meeting, Washington, DC. April. (A. Flores—J. X. Kasperson Award Winner, T. Collins, S. Grineski, J. Chakraborty).
- Social Disparities in Exposure to Air and Road Transportation Noise at US Public Schools. American Association of Geographers Annual Meeting. Washington, DC. April. (S. Nadybal, T. Collins, S. Grineski).
- Disproportionate exposure to cancer-causing hazardous air pollutants based on ancestry within the United States. American Sociological Association Annual Meeting. New York, NY. August. (R. Rubio, S. Grineski, T. Collins, D. Morales).
- Social Disparities in Exposure to Noise at Public Schools in the Contiguous United States. American Sociological Association Annual Meeting. New York, NY. August. (T. Collins, S. Grineski, S. Nadybal).
- The impact of Hurricane Harvey on Greater Houston households: Comparing pre-event preparedness with post-event health effects, event exposures, and recovery. American Sociological Association Annual Meeting. New York, NY. August. (S. Grineski, A. Flores, T. Collins, J. Chakraborty).

2018

- Geographic and social disparities in exposure to air neurotoxicants at U.S. public schools. Boise Veteran's Affairs Medical Center, Medical Grand Rounds Presentation. Boise, Idaho. May. (S. Grineski, T. Collins).
- Effects of sex concordance in mentoring relationships on summer research experience outcomes for undergraduate students. American Sociological Association Annual Meeting. Philadelphia, PA. August. (D. Morales, S. Grineski, T. Collins).

2017

- Finding the best match: Managing a multi-institutional mentoring program using an online mentoring interface. NIH/NIGMS Training and Workforce Development Program Directors' Meeting. June, Baltimore, MD. (S. Grineski, D. Morales, G. Corral, S. Aley, T. Boland, M. Cox, L. Echegoyen, O. Morera, A. Wagler).
- BUILDing SCHOLARS: Combining Asset Bundles with High Impact Practices. NIH/NIGMS Training and Workforce Development Program Directors' Meeting. June, Baltimore, MD. (L. Echegoyen, S. Aley, T. Boland, G. Corral, M. Cox, S. Grineski, O. Morera, A. Wagler).
- BUILDing SCHOLARS at the University of Texas at El Paso: an asset bundles approach. Session featuring NIH-funded BUILD Sites ("BUILD Sites: One Goal with Multiple Approaches to Diversify the NIH Workforce"), Understanding Interventions Conference. March, San Antonio, TX. (L. Echegoyen, S. Aley, T. Boland, G. Corral, M. Cox, S. Grineski, O. Morera, H. Nazeran).
- BUILDing SCHOLARS: undergraduate student interventions to prepare the next generation of biomedical researchers. Poster presented at the Understanding Interventions Conference, San Antonio, TX. (L. Echegoyen, G. Corral, S. Aley, T. Collins, S. Grineski).
- Environmental injustice and sexual minorities: a national study of air pollution risks among same-sex partners. Presented at the meetings of the American Sociological Association, Montreal, Canada. (T. Collins, S. Grineski, D. Morales).

The model minority myth exposed: carcinogenic air toxics among Asian Americans in four immigrant gateways. Presented at the meetings of the American Sociological Association, Montreal, Canada. (S. Grineski, D. Morales, T. Collins, E. Hernandez, A. Fuentes).

2016

Spaces of heightened risk to extreme heat in a border metropolis. Rio Grande/Bravo Extreme Heat and Health Workshop, sponsored by the City of El Paso, UTEP, Texas Tech University, National Oceanic and Atmospheric Administration, and University of Arizona. July, El Paso, TX. (T. Collins).

Cancer risk from air pollution: analyzing environmental injustice in Houston, TX. Arizona State University, School of Human Evolution and Social Change. March, Tempe, AZ. (T. Collins)

Environmental injustice and Hispanic heterogeneity: a household-level analysis of vehicular air pollutants in Miami, FL. Paper presented at the Race, Ethnicity & Place VIII Conference, Kent, OH. (J. Chakraborty, T. Collins, S. Grineski).

A qualitative examination of factors shaping exposures to hazardous air pollutants among Hispanic households in Miami. Paper presented at the meetings of the American Sociological Association, Seattle, WA. (*J. Rocha, S. Grineski, T. Collins).

School-based exposure to hazardous air pollutants and grade point average: a multi-level study. Paper presented at the meetings of the American Sociological Association, Seattle, WA. (S. Grineski, S. Clark, T. Collins).

Factors influencing student gains from undergraduate research experiences at a Hispanic serving institution. Paper presented at the meetings of the American Sociological Association, Seattle, WA. (*H. Daniels, S. Grineski, T. Collins, D. Morales, O. Morera).

Social disparities in the distribution of air pollution risks: comparing perceptions and exposure in Houston, Texas. Paper presented at the International Geographical Congress (annual meeting of the International Geographical Union), Beijing, China [selection based on abstract peer-review]. (J. Chakraborty, T. Collins, S. Grineski, A. Maldonado).

Determinants of research productivity in undergraduate research: a faculty perspective. Council on Undergraduate Research Biennial Conference, Tampa, FL [selection based on abstract peer-review]. (D. Morales, S. Grineski, T. Collins, L. Echevoyen).

2015

Peer Review Process for Grant Proposals and Research Publications. The Bill Anderson Fund Student Council Workshop Series (see <http://billandersonfund.org/>). November, Virtual Webinar. (T. Collins, panelist).

The Production of Uneven Social Vulnerability. Paper Session at the meetings of the Association of American Geographers. April, Chicago, IL. (T. Collins, discussant).

Locating vulnerability in affluence, privilege and risk offsetting resources (or the lack thereof). Panel Session at the meetings of the Association of American Geographers. April, Chicago, IL. (T. Collins, panelist).

Rescaling environmental justice analysis: influences on disproportionate exposure to hazardous air pollutants in Greater Houston. Texas A&M University, Geography Department. March, College Station, TX. (T. Collins).

Faculty motivation to mentor students through undergraduate research programs: a study of enabling and constraining factors. Paper presented at the 8th Annual Mentoring Conference, Albuquerque, NM. (D. Morales, S. Grineski, T. Collins).

Hispanic immigrants' vulnerabilities to flood and hurricane hazards in two US metro areas. Paper presented at the meetings of the American Sociological Association, Chicago, IL. (A. Maldonado, T. Collins, S. Grineski).

Determinants of Household-level Air Toxics Cancer Risk Disparities in Greater Miami, Florida. Paper presented at the meetings of the Association of American Geographers, Chicago, IL. (T. Collins, S. Grineski, J. Chakraborty, M. Montgomery).

Effects of Dasyetric Modeling on Environmental Justice Analyses of Flood Hazards Exposure. Paper presented at the meetings of the Association of American Geographers, Chicago, IL. (J. Chakraborty, T. Collins, S. Grineski, M. Montgomery).

Cancer Risks from Exposure to Vehicular Air Pollution: A Household Level Analysis of Intra-Ethnic Inequities in Miami, Florida. Paper presented at the meetings of the Association of American Geographers, Chicago, IL. (T. Collins, S. Grineski, J. Chakraborty, M. Montgomery).

The roles of hazard types and characteristics on household-level patterns of environmental injustice in Greater Miami Florida. Paper presented at the meetings of the Association of American Geographers, Chicago, IL. (S. Grineski, T. Collins, J. Chakraborty, M. Montgomery).

2014

Coastal Hazards, Risks and Disasters: Enhancing Safety in an Era of Global Change. Panel Session at the meetings of the Association of American Geographers. April, Tampa, FL. (T. Collins).

Undergraduate research training needs assessment results. BUILDing SCHOLARS Consortium Planning Workshop. January, El Paso, TX. (T. Collins).

Developing a methodological framework for estimating water productivity indicators in water scarce regions. Poster presented at the meetings of the American Geophysical Union, San Francisco, CA. (S. Mubako, T. Fullerton, A. Welke, T. Collins, G. Mubako, and S. Walker).

Effects of individual-level acculturation and neighborhood ethnic enclaves on children's respiratory health. Paper presented at the meetings of the Association of American Geographers, Tampa, FL. (S. Grineski, T. Collins, Y. Kim).

Environmental Justice Analysis of Coastal Hazards and Amenities in Miami, FL. Paper presented at the meetings of the Association of American Geographers, Tampa, FL. (M. Montgomery, J. Chakraborty, T. Collins, S. Grineski).

Low Birth Weight, Prenatal Smoking, Breastfeeding and Pest Exposure Modify the Effect of Acculturation on Hispanic Children's Asthma. Paper presented at the meetings of the Association of American Geographers, Tampa, FL. (P. Chavez-Payan, S. Grineski, T. Collins).

Hispanic Communities and Environmental Justice: A Comparative Study of Mobility and Exposure to Air Toxics in Houston. Paper presented at the meetings of the Association of American Geographers, Tampa, FL. (M. Hernandez, J. X. Kasperson Award Winner [T. Collins, primary advisor]).

Immigrants and Environmental Justice in Comparative Context: Social Vulnerability to Flooding and on the Road to Recovery across Social Groups. Paper presented at the meetings of the Association of American Geographers, Tampa, FL. (*A. Maldonado, J. X. Kasperson Award Winner [T. Collins, primary advisor]).

Does exposure to hazardous air pollution contribute to disparities in school performance? Paper presented at the meetings of the Association of American Geographers, Tampa, FL. (S. Clark-Reyna, S. Grineski, T. Collins).

The Roles of Immigrant Generational Status and Citizenship in Children's Healthcare Access: Considering the Fourth Generation. Paper presented at the meetings of the Association of American Geographers, Tampa, FL. (*A. Balcazar, S. Grineski, T. Collins).

Separate and Environmentally Unequal: A Micro-sociospatial Analysis of Residential Segregation and Disproportionate Risk Exposure. Paper presented at the meetings of the Association of American Geographers, Tampa, FL. (*D. Payan, T. Collins, S. Grineski, M. Hernandez).

Health and Environmental Justice in Houston and Miami: A mixed method approach. Paper presented at the meetings of the Association of American Geographers, Tampa, FL. (*S. de Anda, S. Grineski, T. Collins).

A scalable model for assessing incidence, treatment costs, and socio-spatial disparities for diseases with well-documented climate change linkages. Paper presented at the meetings of the Association of American Geographers, Tampa, FL. (Y. McDonald, S. Grineski, T. Collins, Y. Kim).

Citizenship, ethnicity and environmental justice: pinpointing the social vulnerabilities of Hispanic immigrants. Poster presented at the UTEP Campus Office of Undergraduate Research Initiatives spring symposium, El Paso, TX. (*A. Maldonado, T. Collins, S. Grineski).

Developing a methodological framework for estimating water productivity indicators in water scarce regions. Poster presented at the UTEP Interdisciplinary Research Symposium, El Paso, TX. (S. Mubako, T. Fullerton, A. Welke, T. Collins, G. Mubako, S. Walker).

2013

Children's respiratory health: results from a 2012 EPISD survey. Invited presentation for the Colonias Working Group. (S. Grineski, T. Collins, *A. Balcazar). December, El Paso, TX.

Children's vulnerability to climate change in a border metropolitan area. Southwest Consortium for Environmental Research and Policy Annual Technical Conference, hosted by the Arizona State University North American Center for Transborder Studies. March, Tempe, AZ. (T. Collins).

The incidence of diseases associated with climate change in Texas, 2008-2010: an examination of economic impacts and socio-spatial disparities. Paper presented at the 15th International Symposium in Medical/Health Geography, East Lansing, MI. (Y. McDonald, S. Grineski, T. Collins, Y. Kim).

Downscaling environmental justice analysis: household-level disparities in cancer risks from air toxics. Paper presented at the meetings of the Association of American Geographers, Los Angeles, CA. (T. Collins, S. Grineski, J. Chakraborty, M. Montgomery).

Hazardous air pollutants and flooding: a comparative interurban study of environmental injustice. Paper presented at the meetings of the Association of American Geographers, Los Angeles, CA. (S. Grineski, T. Collins, J. Chakraborty, M. Montgomery).

Immigrant communities and environmental justice: a comparative study of residential mobility and exposure to air toxics. Paper presented at the meetings of the Association of American Geographers, Los Angeles, CA. (M. Hernandez, T. Collins, S. Grineski, J. Chakraborty).

Exploring factors creating vulnerability and resilience to flooding for US Hispanic households: environmental justice implications. Paper presented at the meetings of the Association of American Geographers, Los Angeles, CA. (*J. Castañeda III, T. Collins, S. Grineski, M. Hernandez).

The Hispanic health paradox and children's respiratory health in the U.S.- México border region. Paper presented at the meetings of the Association of American Geographers, Los Angeles, CA. (P. Chavez-Payan, S. Grineski, T. Collins).

Objective and relative neighborhood deprivation and children's asthma in El Paso, TX. Paper presented at the meetings of the Association of American Geographers, Los Angeles, CA. (Y. Kim, S. Grineski, T. Collins).

2012

- Multiculturalism and environmental justice. University of Wisconsin-Stout, Social Science Department. December, Menomonie, WI. (T. Collins, S. Grineski).
- Collaborative Research: Advancing environmental equity research: vulnerability to air pollution and flood risks in Houston and Miami. The 2012 National Science Foundation, Civil, Mechanical and Manufacturing Innovation (CMMI) Research and Innovation Conference: Engineering Transformation through Partnerships. July, Boston, MA. (J. Chakraborty; T. Collins, S. Grineski).
- Cancer risks from exposure to vehicular air pollution: intra-ethnic inequities in Miami, Florida. Keynote paper presented at the *Race, Ethnicity and Place IV Conference*. October 24-26, San Juan, Puerto Rico. (J. Chakraborty, T. Collins, S. Grineski).
- Expert panel: Social characteristics of ‘extreme’ wildfires. Part of a NASA funded project (through the University of Idaho Conservation Social Sciences program) with the goal of better understanding the social and biophysical characteristics of ‘extreme’ wildfire events in the northwestern U.S. May, virtual panel meeting. (T. Collins, panelist).
- Mapping vulnerability to climate change-related hazards: a U.S.-Mexico border example. Workshop on Migration, Urbanization and Climate Change. Sponsored by The University of Colorado at Boulder’s Population Center (CUPC) and the National Center for Atmospheric Research (NCAR) Resilient and Sustainable Cities (RS-Cities) Project. May, Boulder, CO. (T. Collins, presenter and participant).
- Advancing environmental justice research: an expanded framework for the analysis of distributive injustice. Paper presented at the meetings of the Association of American Geographers, New York, NY. (T. Collins, J. Chakraborty, S. Grineski).
- After the flood: A survey-based assessment of respiratory health impacts on El Paso’s (Texas) Hispanic youth. Paper presented at the meetings of the American Sociological Association, August, Denver, CO. (*Jimenez, A., T. Collins, S. Grineski).
- Hispanic heterogeneity and environmental injustice: intra-ethnic patterns of exposure to vehicular air pollution in Miami. Paper presented at the meetings of the Association of American Geographers, New York, NY. (S. Grineski, J. Chakraborty, T. Collins).
- Spatial and social inequities in exposure to flood hazards: a case study in Miami, Florida. Paper presented at the International Geographical Congress (annual meeting of the International Geographical Union), Cologne, Germany. (J. Chakraborty, T. Collins, S. Grineski, M. Montgomery).

2011

- Children’s vulnerability to climate change at the border. UTEP College of Health Sciences Healthy Exchange Series. November, El Paso, TX. (T. Collins).
- Métodos para la cartografía de la vulnerabilidad social a las amenazas del cambio climático: una aplicación en la frontera México-Estados Unidos [Methods for mapping social vulnerability to climate change-related hazards: an application at the US-Mexico border]. *II Coloquio Mesoamericano de Investigación y Acción Social en Desastres y Salud* [Second Mesoamerican Conference for Research and Social Action on Disasters and Health]. University of Costa Rica, October, San Pedro, CR. (T. Collins, S. Grineski, *A. Jimenez).
- Los impactos desproporcionados en la salud debido a un desastre por las inundaciones en El Paso (Tejas, EE.UU.) [Disproportionate health impacts of a flood disaster in El Paso (Texas, USA)]. *II Coloquio Mesoamericano de Investigación y Acción Social en Desastres y Salud* [Second Mesoamerican Conference for Research and Social Action on Disasters and Health]. University of Costa Rica, October, San Pedro, CR. (S. Grineski, T. Collins, *A. Jimenez).

Expert focus group: Human Adaptive Capacity to/for Wildfire (funded by the US Joint Fire Science Program). Annual Natural Hazards Research and Application Workshop. July, Broomfield, CO. (Other invited focus group participants included Kathleen Tierney, Susan Cutter, Thomas Cova, William Travis).

Cambio climático en la evaluación de la vulnerabilidad a riesgos ambientales en ciudades de la Frontera México-Estados Unidos. Paper presented at a El Colegio de la Frontera Norte (COLEF)-sponsored conference, *En la frontera de los riesgos: Balance y perspectivas*, Tijuana, Mexico. (L. Romo, T. Collins, S. Grineski, R. Aldouri, R. Fitzgerald, P. Ford, G. Velázquez).

Health inequalities in disaster: an examination of households experiencing home site damage in the 2006 El Paso County floods. Paper presented at the meetings of the Association of American Geographers, Seattle, WA. (T. Collins, *A. Jimenez, Y. McDonald, *L. Sifuentes).

Social inequality, flood hazard, and the geography of unequal risk at the US-Mexico border.

Paper presented at NSF-funded conference, Sustainability on the Border: Water, Climate, and Social Change in a Fragile Landscape, El Paso, TX. (T. Collins).

Flood risk, peak ozone, and extreme heat: children, climate change, and environmental injustice in a bi-national context. Paper presented at NSF-funded conference, Sustainability on the Border: Water, Climate, and Social Change in a Fragile Landscape, El Paso, TX. (S. Grineski, T. Collins).

2010

Differential impacts of flash flooding across the *Paso del Norte*. UTEP Environmental Science and Engineering Program. November, El Paso, TX. (T. Collins)

The spatiality of risk perception: implications for community forest management and wildfire hazard mitigation. Paper presented in the Regular Paper Session on Risk at the meetings of the American Sociological Association, Atlanta, GA.

2009

Environmental inequity in the borderlands. Invited presentation for Border Awareness Experience participants, Annunciation House. June, El Paso, TX. (T. Collins).

Human dimensions of the 2006 *Paso del Norte* floods: an overview. Women's History Month presentation, sponsored by the UTEP Department of Biological Sciences and Border Biomedical Research Center. March, El Paso, TX. (T. Collins).

Environmental injustices in transnational context: predictors of proximity to industrial hazards in the El Paso/Ciudad Juárez metropolis. Paper presented at the meetings of the Association of American Geographers, Las Vegas, NV. (S. Grineski, T. Collins).

Variable impacts and differential response to flash flooding in the *Paso del Norte* metroplex (El Paso, Texas, USA / Ciudad Juárez, Chihuahua, Mexico). Paper presented at the meetings of the American Meteorological Society, Phoenix, AZ. (T. Gill, T. Collins, D. Novlan).

2008

Marginalization/facilitation: a frame for comparative understanding of hazard vulnerability.

Paper presented at the meetings of the Association of American Geographers, Boston, MA. (T. Collins).

2007

Gilbert F. White Award special panel session. Research presented and discussed at the meetings of the Association of American Geographers. April, San Francisco, CA. (T. Collins, featured author and presenter).

Eric Wolf Prize special award session. Research presented at the meetings of the Society for Applied Anthropology. March, Tampa, FL. (T. Collins, featured author and presenter).

Determinants of disaster risk: wildfire hazards and social vulnerability in Arizona's high country. Paper presented at the meetings of the American Sociological Association, New York City. (T. Collins).

Pumping groundwater, draining rivers: a political ecology of water and development in rural Arizona. Paper presented at the meetings of the Association of American Geographers, San Francisco, CA. (B. Bolin, T. Collins, K. Darby).

Marginalization, facilitation, and the production of risk. Paper presented at the meetings of the Society for Applied Anthropology, Tampa, FL. (T. Collins).

Growth and groundwater in highland Arizona: the political ecology of a contested resource. Paper presented at the Hawaii International Conference on Social Sciences, Honolulu, HI. (T. Collins, B. Bolin).

2006

Peri-urban growth, water conflicts, and vulnerability. Decision Center for a Desert City-National Science Foundation External Advisory Committee Meeting. May, Tempe, AZ. (T. Collins, B. Bolin).

Understanding social vulnerability: the case of people, forests, and fire in Arizona's White Mountains. The UTEP Department of Sociology and Anthropology. March, El Paso, TX. (T. Collins).

Understanding wildfire hazard vulnerability. Ohio University Department of Geography. February, Athens, OH. (T. Collins)

2005

Understanding wildfire hazard vulnerability in the US West. San Diego State University Department of Geography, November, San Diego, CA. (T. Collins).

Results of survey on forest management and fire hazard in the White Mountains. United States Forest Service White Mountain Stewardship Contract Multi-party Monitoring Board. June, Pinetop, AZ. (T. Collins).

People, forests, and fire hazard vulnerability in Arizona's White Mountains. Paper presented at the meetings of the Association of Pacific Coast Geographers, Phoenix, AZ. (T. Collins).

The uneven geography of downtown redevelopment: sources, processes, and consequences of sports stadium building. Paper presented at the meetings of the American Sociological Association, Philadelphia, PA. (T. Collins).

Urban growth, drought, and rural vulnerability: a DCDC research agenda. Paper presented at the Arizona Tri-University Water Conference, Flagstaff, AZ. (B. Bolin, T. Collins).

Wildland-urban interface fire hazard vulnerability in Arizona's White Mountains. Paper presented at the meetings of the Association of American Geographers, Denver, CO. (T. Collins, S. Grineski).

2004

Preliminary analysis: residential survey on forest management and fire hazard in the White Mountains. White Mountain Natural Resources Working Group. November, Lakeside, AZ. (T. Collins).

The geography of despair: environmental racism and the making of South Phoenix, Arizona, USA. Paper presented at the international conference-Nature, Science, and Social Movements-Mytilene, Greece. (B. Bolin, S. Grineski, T. Collins).

2003

Understanding human-environmental crisis on Arizona's Mogollon Rim. Paper presented at the meetings of the Association of American Geographers, New Orleans, LA. (T. Collins).

2002

Urban hazard vulnerability and community-based research. Paper presented at the Annual Hazards Research and Applications Workshop, Boulder, CO. (T. Collins, S. Grineski).

The story of Bank One Ballpark: downtown redevelopment and neighborhood change in Phoenix, Arizona. Paper presented at the meetings of the Association of Pacific Coast Geographers, San Bernardino, CA. (T. Collins).

Eastlake Park: an interdisciplinary approach to urban ecology. Paper presented at the meetings of the Ecological Society of America, Tucson, AZ. (K. Gade, T. Collins, J. Parker).

Toxic conflict and environmental justice in South Phoenix. Paper presented at the meetings of the Association of American Geographers, Los Angeles, CA. (T. Collins).

2001

Toxic landscapes, race, and environmental justice in South Phoenix. Paper presented at the meetings of the Association of Pacific Coast Geographers, Santa Barbara, CA. (T. Collins).

An integrated appraisal of the wildland/urban interface fire hazard, Forest Ranch, California. Illustrated paper presented at the meetings of the Association of American Geographers, New York, NY. (T. Collins).

2000

Preliminary results from a residential survey on fire hazard issues, Forest Ranch, California.

Paper presented at the Western Geography Student Conference, Boulder, CO. (T. Collins).

1999

Changing patterns of international terrorism in the modern era. Paper presented at the meetings of the California Geographical Society, Camarillo, CA. (T. Collins).

Teaching and Mentoring

Courses Taught

Big Data for Climate Justice. Spring, Summer, Fall 2023. (Course-based undergraduate research experience taught through the Science Research Initiative, UU College of Science)

Challenges to Global Sustainability. Spring 2019-2021, Fall 2022-2023.

North America: Geography, Diversity, and Change. Fall 2018-2023.

Environmental Justice Research, Seminar. Spring 2018, Fall 2021.

Cultural Geography (face-to-face). Spring 2007-2011, Fall 2012, Fall 2014.

Cultural Geography (on-line). Fall 2008-2011, Spring 2012, Fall 2013, Fall 2015-2016.

Environment and Society. Graduate Seminar. Fall 2008, Fall 2010, Spring 2013.

Environmental Sociology/Ecological Anthropology. Fall 2006-2011, Fall 2013, Spring 2013, Fall 2015-2017.

Introduction to Geographical Information Systems for the Social Sciences. Spring 2007-2011.

Quantitative Methods. Graduate Seminar. Fall 2014.

Thinking Spatially. Fall 2007.

Urban Sociology. Fall 2007, Spring 2009-2010.

Dissertation/Thesis Committees-In Progress

Committee Chair. Joel Palmer, Ph.D. Geography, University of Utah.

Committee Chair. Marco Lorenzo Allain, Ph.D. Geography, University of Utah.

Committee Chair. Austin Clark, M.S. Geography, University of Utah.

Committee Member. Laila Ahmed Sheikh, M.S. Geography, University of Utah.

Committee Member. Ahmad Mojtoba Riyadh, Ph.D. Geography, University of Utah.

Committee Member. Asmita Bhattarai, Ph.D. Geography, University of Utah.

- Committee Member.** Meitong Liu, Ph.D. Geography, University of Utah.
Committee Member. Ricardo Rubio, Ph.D. Sociology, University of Utah.
Committee Member. Roger Renteria, Ph.D. Sociology, University of Utah.
Committee Member. Yasamin Shaker, Ph.D. Sociology, University of Utah.
Committee Member. Alisha Jimenez, Ph.D., Public Health, University of Utah.

Dissertation/Thesis Committees-Completed

- Committee Chair.** Eric Goodwin, M.S. Geography, University of Utah. Graduated, Summer 2023.
Committee Member. Matthew Wood, Ph.D. Geography, University of Utah. Graduated, Spring 2023.
Committee Member. Casey Mullen, Ph.D. Sociology, University of Utah. Graduated, Summer 2023.
Committee Member. Tolula Pontuti, M.S. Geography, University of Utah. Graduated, Summer 2023.
Committee Chair. Aaron Flores, Ph.D. Geography, University of Utah. Graduated, Spring 2022.
Committee Member. Bailey Costello, M.S. Geography, University of Utah. Graduated, Spring 2022.
Committee Member. Ahmad Mojtaba Riyadh, M.S. Geography, University of Utah. Graduated, Summer 2021.
Committee Member. Kripa Thapa, M.S. Geography, University of Utah. Graduated, Summer 2021.
Committee Member. Matt McCullough, Ph.D. Geography, University of Utah. Graduated, Spring 2021.
Committee Chair. Shawna Nadybal, M.S. Geography, University of Utah. Graduated, Summer 2020.
Committee Member. Cooper MacCourtney, Professional Masters of Science and Technology (PMSI) program, University of Utah. Graduated, Spring 2020.
Committee Member. Meitong Liu, M.S., Geography, University of Utah, Summer 2019.
Committee Member. Michel Loustaunau, M.A. Sociology, UTEP, Fall 2018.
Committee Member. Bruce Mitchell, Ph.D. Geography, University of South Florida. Graduated, Spring 2017.
Committee Member. Heather Daniels, M.A. Sociology. Graduated, Spring 2017.
Committee Member. Andrea Everett, M.S. Environmental Science. Graduated, Fall 2016.
Committee Member. Joanne Kropp, Ph.D. History. Graduated, Fall 2016.
Committee Chair. Alejandra Maldonado, M.A. Sociology. Graduated, Summer 2016.
Committee Member. Stephanie Clark-Reyna, M.A. Sociology. Graduated, Spring 2015.
Committee Chair. Maricarmen Hernandez, M.A. Sociology. Graduated, Spring 2014.
Committee Member. Marilyn Montgomery, Ph.D. Geography, University of South Florida. Graduated, Spring 2014.
Committee Chair. Faraj AboArgob, Ph.D. Environmental Sciences and Engineering (ESE). Graduated, Fall 2013.
Committee Member. Abdelatif Eldeb, Ph.D. ESE. Graduated, Fall 2013.
Committee Member. Paola Chavez-Payan, M.A. Sociology. Graduated, Fall 2013.
Committee Chair. Young-An Kim, M.A. Sociology. Graduated, Spring 2013.
Committee Chair. Mauricio Austin, M.A. Sociology. Graduated, Spring 2013.
Committee Chair. Anthony Jimenez, M.A. Sociology. Graduated, Spring 2012.
Committee Member. Yolanda McDonald, M.A. Sociology. Graduated, Spring 2012.
Committee Member. Adrian Perez, M.A. History. Graduated, Spring 2012.

- Committee Member.** Maggie Nelan, M.A. Sociology. Graduated, Spring 2011.
- Committee Member.** Alma Hernandez, M.A. Sociology. Graduated, Spring 2011.
- Committee Member.** Javier Vasquez, M.A. Sociology. Graduated, Fall 2010.
- Committee Member.** Erin Quevedo, M.A. Interdisciplinary Studies. Graduated, Fall 2010
- Committee Member.** Angelica Forero, M.A. Sociology. Graduated, Fall 2010.
- Committee Member.** Clarisa Lemus, M.A. Sociology. Graduated, Spring 2010.
- Committee Member.** Nicholas Emerick, M.A. Sociology. Graduated, Spring 2010.
- Committee Member.** Cristina Sanchez, M.A. Sociology. Graduated, Fall 2009.
- Committee Member.** Srijana Basnyat, M.A. Interdisciplinary Studies. Graduated, Summer 2009.
- Committee Member.** Martha Flores, M.A. Sociology. Graduated, Spring 2007.

Funded Graduate and Undergraduate Mentoring

- Rachel Straight**, Undergraduate Research on the impacts of undergraduate research training programs. Fall 2023-ongoing. (Funded by Research Experiences for Undergraduates Supplement to National Science Foundation Award #: 2055379).
- Justin Plascencia-Maciell**, Undergraduate Research on environmental justice. Spring 2023-ongoing. (Funded by the Wilkes Scholars Program, Wilkes Center for Climate Science & Policy and the Science Research Initiative, UU College of Science).
- Juliette Weber**, Undergraduate Research on environmental justice. Spring 2023-ongoing. (Funded by the Wilkes Scholars Program, Wilkes Center for Climate Science & Policy and the Science Research Initiative, UU College of Science).
- Siena Crivac**, Undergraduate Research on environmental justice. Spring 2023-ongoing. (Funded by the Wilkes Scholars Program, Wilkes Center for Climate Science & Policy and the Science Research Initiative, UU College of Science).
- Genesis Aquino**, Undergraduate Research on environmental justice. Spring 2023, Fall 2023. (Funded by the Science Research Initiative, UU College of Science).
- Jacqueline Gomez**, Undergraduate Research on environmental justice. Spring 2023-ongoing. (Funded by National Institutes of Health Award #: 3R25ES031497-02S).
- Callie Avondet**, Undergraduate Research on the impacts of undergraduate research training programs. Fall 2022-ongoing. (Funded by Research Experiences for Undergraduates Supplement to National Science Foundation Award #: 2055379).
- Nancy Pasillas**, Undergraduate Research on the impacts of undergraduate research training programs. Fall 2022-Spring 2023. (Funded by Research Experiences for Undergraduates Supplement to National Science Foundation Award #: 2055379).
- Kevin Ramos**, Undergraduate Research on environmental justice. Fall 2021-Fall 2023. (Funded by Research Experiences for Undergraduates Supplements to National Science Foundation Awards #: CMMI-1921157, CMMI-2127932; National Institutes of Health Award #: 3R25ES031497-02S).
- Camden Alexander**, Undergraduate Research on environmental justice. Fall 2021-Fall 2023. (Funded by Research Experiences for Undergraduates Supplements to National Science Foundation Awards #: CMMI-1921157 and CMMI-2127932; National Institutes of Health Award #: 3R25ES031497-02S).
- Colby Child**, Undergraduate Research on environmental justice in the US-Mexico borderlands. Fall 2020-Spring 2021. (Funded by a University of Utah Undergraduate Research Opportunities Program [UROP] awards).
- Shaylynn Trego**, Undergraduate Research on environmental justice. Fall 2019-Spring 2021. (Funded by Research Experiences for Undergraduates Supplement to National Science Foundation Award #: CMMI-1921157; UROP awards).

- Angel Griego**, Undergraduate Research on environmental justice. Spring 2019-Spring 2021. (Funded by Research Experiences for Undergraduates Supplements to National Science Foundation Awards #: CMMI-1841654 and CMMI-1921157; UROP awards).
- Alyssa Castor**, Undergraduate Research on environmental justice. Spring 2019-Fall 2019. (Funded by Research Experiences for Undergraduates Supplement to National Science Foundation Award #: CMMI-1841654).
- Savannah Mailloux**, Undergraduate research on disparities in access to vitality-enhancing locations. Fall 2018-Spring 2019. (Funded by a UROP award).
- Diana Moreno**, Undergraduate student in the freshman cohort of the National Institutes of Health-funded BUILDing SCHOLARS program. Fall 2017.
- Samantha Ordaz**, Undergraduate student in the freshman cohort of the National Institutes of Health-funded BUILDing SCHOLARS program. Fall 2017.
- Ricardo Rubio**, Undergraduate Research on the impacts of undergraduate research training programs and children's health. Spring 2017-ongoing. (Funded by National Institutes of Health Award #: 1U54MD009476-01 and an investigator incentive account).
- Nathalie Prieto**, Undergraduate Research on children's health. Summer 2017. (Funded by an investigator incentive account).
- Joel Reyes**, Undergraduate student in the freshman cohort of the National Institutes of Health-funded BUILDing SCHOLARS program. Spring 2017.
- Andrew Rios**, Undergraduate student in the freshman cohort of the National Institutes of Health-funded BUILDing SCHOLARS program. Spring 2017.
- Ana Fuentes**, Undergraduate Research on environmental justice. Summer 2016. (Funded by National Institutes of Health Award #: 1U54MD009476-01).
- Estefania Hernandez**, Undergraduate Research on environmental justice. Summer 2016. (Funded by Research Experiences for Undergraduates Supplement to National Science Foundation Award #: CMMI-1129984).
- Analisse Acosta**, Undergraduate Research on the impacts of undergraduate research training programs. Spring 2016-Spring 2017. (Funded by an investigator incentive account).
- Heather Daniels**, Graduate Research on the impacts of undergraduate research training programs. Fall 2015-Spring 2016. (Funded by National Institutes of Health Award #: 1U54MD009476-01).
- Gabrielle Mendoza**, Undergraduate Research on the impacts of undergraduate research training programs. Fall 2015-Summer 2016. (Funded by an investigator incentive account associated with National Institutes of Health Award #: 3P20MD002287-05S1).
- Heather Daniels**, Undergraduate Research on the impacts of undergraduate research training programs. Spring and Summer 2015. (Funded by an investigator incentive account associated with National Institutes of Health Award #: 3P20MD002287-05S1).
- Tierra Brooks**, Undergraduate Research on environmental justice. Fall 2014-Summer 2015. (Funded by Research Experiences for Undergraduates Supplement to National Science Foundation Award #: CMMI-1129984).
- Jonathan Rocha**, Undergraduate Research on environmental justice. Fall 2014-Summer 2015. (Funded by Research Experiences for Undergraduates Supplement to National Science Foundation Award #: CMMI-1129984).
- Alejandra Maldonado**, Graduate Research on environmental justice. Summer 2014-Spring 2015. (Funded by National Science Foundation Award #: CMMI-1129984 & a UTEP Provost's Summer Research Assistant Program Award).
- Jessica Shenberger-Trujillo**, Graduate Research on the impacts of undergraduate research training programs. Spring and Summer 2014. (Funded by National Institutes of Health Award #: 1P20MD008700-01).

- Stephanie Clark-Reyna**, Graduate Research on environmental health disparities. Spring and Summer 2014. (Funded by National Institutes of Health Award #: 3P20MD002287-05S1).
- Monica Sianez**, Graduate Research on health disparities. Spring and Summer 2014. (Funded by National Institutes of Health Award #: 3P20MD002287-05S1).
- Alejandra Maldonado**, Undergraduate Research on environmental justice. Fall 2013-Summer 2014. (Funded by Research Experiences for Undergraduates Supplement to National Science Foundation Award #: CMMI-1129984).
- Alexander Balcazar**, Undergraduate Research on environmental health disparities. Summer 2013-Summer 2014. (Funded by the Department of Homeland Security Summer Scholars Academy Undergraduate Research Program & National Institutes of Health Award #: 3P20MD002287-05S1).
- Dorian Payan**, Undergraduate Research on environmental justice. Summer 2013-Summer 2014. (Funded by Research Experiences for Undergraduates Supplement to National Science Foundation Award #: CMMI-1129984).
- Maricarmen Hernandez**, Graduate Research on environmental justice. Fall 2012-Summer 2014. (Funded by National Science Foundation Award #: CMMI-1129984).
- Sofia De Anda**, Undergraduate Research on environmental justice; impacts of undergraduate research training programs. Summer 2013-Spring 2014. (Funded by National Science Foundation Award #: CMMI-1129984; National Institutes of Health Award #: 1P20MD008700-01).
- Jose Castaneda**, Undergraduate Research on environmental justice. Fall 2012-Summer 2013. (Funded by Research Experiences for Undergraduates Supplement to National Science Foundation Award #: CMMI-1129984).
- Young-An Kim**, Graduate Research on environmental health disparities. Fall 2012-Summer 2013. (Funded by National Aeronautics and Space Administration Award #: NNX12AF49A).
- Paola Chavez-Payan**, Graduate Research on environmental health disparities. Fall 2012-Fall 2013. (Funded by National Institutes of Health Award #: 3P20MD002287-05S1).
- Marie Gaines**, Undergraduate Research on environmental health disparities. Spring, Summer, and Fall 2012. (Funded by National Institutes of Health Award #: 3P20MD002287-05S1).
- Anthony Jimenez**, Graduate Research on environmental health disparities. Spring and Summer 2012. (Funded by National Institutes of Health Award #: 3P20MD002287-05S1).
- Stephanie Clark-Reyna**, Undergraduate Research on environmental health disparities. Spring and Summer 2012. (Funded by National Institutes of Health Award #: 3P20MD002287-05S1).
- Yolanda McDonald**, Graduate Research on climate change vulnerability in El Paso and Ciudad Juárez. Summer 2011-Summer 2012. (Funded by Environmental Protection Agency, Southwest Consortium for Environmental Research and Policy Award #: EM 83486101-01).
- Anthony Jimenez**, Graduate Research on gender and transnational development organization-local state dynamics; climate change vulnerability in El Paso and Ciudad Juárez. Summer 2011-Spring 2012. (Funded by the UTEP Center for Environmental Resource Management).
- Lorena Mondragon**, Undergraduate Research: “A multimethod examination of the Eco-Vida sustainability outreach program in the *Paso del Norte*.” Spring 2010-Spring 2011. (Funded by an Environmental Protection Agency, Southwest Consortium for Environmental Research and Policy Environmental Student Fellowship).
- Yolanda McDonald**, Undergraduate Research on industrial health risks in El Paso County, Texas. Summer 2010. (Funded by an Environmental Protection Agency, Southwest Consortium for Environmental Research and Policy Faculty Development Program Fellowship).

Anthony Jimenez, Undergraduate Research on health effects of the 2006 El Paso County floods. Spring 2010. (Funded by a National Institutes of Health, Hispanic Health Disparities Research Center Transitioning Faculty Award).

Lorena Sifuentes, Undergraduate Research on health effects of the 2006 El Paso County floods. Spring 2010. (Funded by a National Institutes of Health, Hispanic Health Disparities Research Center Transitioning Faculty Award).

Mauricio Austin, Undergraduate Research on organizational responses to 2006 *Paso del Norte* floods; environmental hazards, health, and the quality of life in the *Paso del Norte*. Spring-Summer 2007. (Funded by a UTEP University Research Initiative (URI) Grant).

Faculty and Postdoctoral Mentoring (not including informal mentoring)

Malcolm Araos, Postdoctoral Fellow, Wilkes Center for Climate Science and Policy. 2023-ongoing.

Jola Ajibade, Associate Professor, Environmental Sciences, Emory University. National Mentoring Program: “Enabling the Next Generation of Hazards Researchers” (NSF Award CMMI-1921157). Spring 2020-ongoing.

Peter Loebach, Faculty, Emergency Services Administration, Arapahoe Community College. National Mentoring Program: “Enabling the Next Generation of Hazards Researchers” (NSF Award CMMI-1921157). Spring 2020-ongoing.

Michelle Stulmacher, Assistant Professor, Geography, DePaul University. Arizona State University, Liberal Arts and Sciences College Ambassadors Program. Spring-Summer 2019.

Danielle Morales, Assistant Professor, Sociology, UTEP (as of 2021). BUILDing SCHOLARS postdoctoral mentoring. 2014-2017.

Adelle Monteblanco, Assistant Professor, Sociology, Middle Tennessee State University (as of 2021). BUILDing SCHOLARS postdoctoral mentoring. 2014-2017.

Jay Bhatt, Staff Scientist, Pharmacology and Neuroscience, Creighton University (as of 2021). BUILDing SCHOLARS postdoctoral mentoring. 2014-2017.

Eden Robles, Research Assistant Professor, Psychology and Social Work, UTEP (as of 2021). BUILDing SCHOLARS postdoctoral mentoring. 2014-2017.

Supriyo Ray, Assistant Professor, Natural Sciences, Bowie State University (as of 2021). BUILDing SCHOLARS postdoctoral mentoring. 2014-2017.

Trevor Duarte, Instructor, Biology, El Paso Community College (as of 2021). BUILDing SCHOLARS postdoctoral mentoring. 2014-2017.

Lynnsay Marsan, Teaching Assistant Professor, Biology, East Carolina University (as of 2021). BUILDing SCHOLARS postdoctoral mentoring. 2014-2017.

Mohammad Ghamari, Assistant Professor, Computer Engineering, Kettering University (as of 2021). BUILDing SCHOLARS postdoctoral mentoring. 2014-2017.

Adelina Holguin, Assistant Professor, Social Sciences, Dona Ana Community College (as of 2021). BUILDing SCHOLARS postdoctoral mentoring. 2014-2017.

Professional Service

University of Utah

Co-Lead. Environmental Working Group, Responsible Artificial Intelligence (AI) Initiative, Campus-wide. 2024.

Member. Academic Appeals Committee, College of Social & Behavioral Science. 2023-2024.

Chair. Faculty Search Committee, Assistant Professor of Environment, Population, and Health in Southeast Asia, Department of Geography. 2022-2023.

Honors Liaison/Student Advisor. Honors College, ENVST Program, 2021-present.

Director. Undergraduate Studies, Department of Geography, 2019-present.

Member. Allocations Committee, Sustainable Campus Initiative Fund (SCIF), Sustainability Office. 2019-2021.

Chair. Internal Committee, Graduate Council review of the Department of City & Metropolitan Planning. 2019.

Member. Faculty Search Advisory Committee, College of Social & Behavioral Science. 2019-2023.

Member. Retention, Promotion, and Tenure Committee, Department of Geography, 2018-present.

Member. Research Advisory Committee, College of Social & Behavioral Science. 2018-2023.

Chair. Colloquium Committee, Department of Geography, 2018-2019.

Member. Graduate Committee, Department of Geography. 2018-2019.

University of Texas at El Paso

Member. Advisory Committee, UTEP Honors Program. 2016.

Member. Faculty Search Committee, Assistant Professor of Education, Medicine and Inequality, Sociology & Anthropology, UTEP. 2014-2015.

Member. Faculty Search Committee, Open Rank Quantitative Methodologist, College of Liberal Arts, UTEP. 2013-2014.

College of Liberal Arts Representative. Student Grievance Committee, UTEP. 2013-2016.

Alternate Representative. Faculty Senate, Sociology & Anthropology Department, UTEP. 2007-2016.

Member. Graduate Program Executive Committee, Sociology & Anthropology Department, UTEP. 2011-2012.

Member. Core Faculty, Environmental Science and Engineering (ESE) Ph.D. Program. 2009-2017.

Member. Faculty Search Committee, Transnational Sociologist, Sociology & Anthropology Department, UTEP. 2009-2010.

Secretary and College of Liberal Arts Representative. Undergraduate Scholarships Committee, UTEP. 2007-2011.

Member. Team of Colleges of Liberal Arts and Sciences faculty, developed and instituted a Geography Minor program, UTEP. 2007.

Professional Organization Service

Chair. Hazards, Risks and Disasters Specialty Group, American Association of Geographers. 2013-2015.

Judge. Gilbert F. White Award, Hazards, Risks and Disasters Specialty Group, American Association of Geographers. 2008, 2009, 2012, 2013, 2016-2019, 2022-2024.

Vice President. Political Ecology Society. 2008-2010.

Committee Member. Eric Wolf Prize, Political Ecology Society. 2008-2009.

Chair. Eric Wolf Prize Committee, Political Ecology Society. 2007-2008.

Conferences/Workshops and Other Professional Service

Co-organizer (with J. Chakraborty and S. Grineski). “Persistent Environmental Injustices: Multiscalar Perspectives.” Paper session sponsored by the Hazards, Risks, & Disasters, Cultural & Political Ecology, and Health & Medical Geography Specialty Groups. Meetings of the American Association of Geographers, Denver, CO. 2020. *Cancelled due to COVID-19.*

Member. BUILDING SCHOLARS Executive Committee. 2014-2017.

Member. National Institutes of Health Diversity Program Consortium. 2014-2017.

Member. Implementation Working Group, National Institutes of Health Diversity Program Consortium. 2014-2017.

- Organizer.** “Paper Sessions I & II: Jeanne X. Kasperson Award Winners from the Hazards, Risks, & Disasters Specialty Group.” Meetings of the American Association of Geographers, Chicago, IL. 2015.
- Co-organizer** (with J. Chakraborty and S. Grineski). “Environmental Justice in Comparative Perspective: Case Studies from Miami, Florida.” A special session sponsored by the Hazards, Risks, & Disasters Specialty Group. Meetings of the American Association of Geographers, Chicago, IL. 2015.
- Organizer/Discussant.** “Panel Session: Coastal Hazards, Risks and Disasters: Enhancing Safety in an Era of Global Change.” Special “Geographies of Climate Change” themed session co-sponsored by the Hazards, Risks, & Disasters Specialty Group and the Human Dimensions of Global Change Specialty Group. Meetings of the American Association of Geographers, Tampa, FL. 2014.
- Organizer.** “Paper Session: Jeanne X. Kasperson Award Winners from the Hazards, Risks & Disasters Specialty Group.” Meetings of the American Association of Geographers, Tampa, FL. 2014.
- Co-organizer** (with J. Chakraborty and S. Grineski). “Environmental justice research: contemporary issues and emerging topics.” Four special sessions co-sponsored by the Cultural and Political Ecology Specialty Group, the Hazards, Risks, & Disasters Specialty Group, and the Health and Medical Geography Specialty Group. Meetings of the American Association of Geographers, Tampa, FL. 2014.
- Co-organizer** (with J. Chakraborty and S. Grineski). “Environmental justice research: contemporary issues and emerging topics.” Four special sessions co-sponsored by the Cultural and Political Ecology Specialty Group, the Hazards, Risks, & Disasters Specialty Group, and the Health and Medical Geography Specialty Group. Meetings of the American Association of Geographers, Los Angeles, CA. 2013.
- Co-organizer** (with J. Chakraborty and S. Grineski). “Spatial autocorrelation in environmental justice research: problems, prospects, and future directions.” Special session co-sponsored by the Hazards Specialty Group, the Spatial Analysis and Modeling Specialty Group, and the Urban Geography Specialty Group. Meetings of the American Association of Geographers, Las Vegas, NV. 2009.
- Co-organizer** (with S. Pyne). “Fire ecology field trip.” Meetings of the Association of Pacific Coast Geographers, Phoenix, AZ. 2005.
- Organizer.** Interdisciplinary session on “Spatial and temporal patterns.” Graduates in Earth, Life, and Social Sciences Symposium, Arizona State University. 2003.
- Organizer.** Mike Davis, IGERT Urban Ecology/Geography Department Distinguished Lecture, Arizona State University. 2002-2003.
- Member.** Faculty Search Committee, Nature-Society Geographer, Department of Geography, Arizona State University. 2001-2002.

Editorial and Reviewing Service (* indicates multiple reviews/panels)

Associate Editor. *Society and Natural Resources*. 2013-present.

Editorial Board. *International Journal of Environmental Research and Public Health*. 2016-2023.

Occasional Peer-Reviewer. *Agriculture & Human Values*; *American Anthropologist*; *American Anthropologist*; *American Journal of Preventive Medicine*; *American Journal of Public Health*; *Annals of the Association of American Geographers**; *Anthropocene*; *Antipode**; *Applied Geography**; *Cambridge Journal of Regions, Economy and Society*; *Capitalism Nature Socialism*; *Children and Youth Services Review*; *Cities*; *Climatic Change**; *Current Opinion in Environmental Sustainability*; *Disability and Health Journal*; *Disaster Prevention and Management*; *Earth’s Future**; *Ecological Economics**; *Ecosphere*; *Environmental*

Epidemiology; Environmental Hazards; Environmental Justice*; Environmental Management*; Environmental Modeling and Assessment; Environmental Research*; Environmental Research Letters*; Environmental Sociology; Environment and Planning A; Environment and Planning E*; Environment International*; Erdkunde*; Forest Ecology and Management; Forest Policy and Economics*; Geoforum*; Geographical Review*; Health & Place*; Human Organization; International Journal of Disaster Risk Reduction; International Journal of Environmental Health Research*; International Journal of Environmental Research and Public Health*; International Journal of Mass Emergencies and Disasters*; International Journal of Wildland Fire*; Journal of Exposure Science and Environmental Epidemiology; Journal of Geography in Higher Education; Journal of Health Care for the Poor and Underserved*; Journal of Historical Geography; Journal of Intellectual Disability Research*; Journal of Mountain Science; Journal of Political Ecology*; Journal of Toxicology and Environmental Health, Part A; Journal of Transport Geography; Journal of Urban Affairs; Land Use Policy*; Landscape and Urban Planning*; Local Environment*; Natural Hazards*; Natural Hazards Review*; Nature Communications; Population and Environment*; Population Research and Policy Review; Rangeland Ecology & Management; Risk Analysis*; Rural Sociology; Science of the Total Environment; Social Currents; Social Psychiatry and Psychiatric Epidemiology; Social Science Research; Social Science & Medicine*; Society and Natural Resources*; Sociological Perspectives*; Sociological Spectrum; Spatial and Spatio-temporal Epidemiology; Studies in Higher Education*; The Lancet Planetary Health; The Professional Geographer*; The Southwestern Geographer*; Urban Geography; Water International; Weather, Climate and Society; WIREs Climate Change*; World Development; United Kingdom Government Office for Science; Oxford University Press*; University of California Press; University of Colorado Press; National Academies of Science, Engineering, and Medicine*; Environmental Protection Agency.*

Panelist (grant proposal review). *National Science Foundation, Multiple Programs, Multiple Panels; National Institutes of Health, Multiple Programs, Multiple Panels; Environmental Protection Agency.*

Tenure and Promotion Reviewer (external). University of Idaho, Fall 2014; University of North Texas, Fall 2015; University of Massachusetts Amherst, Fall 2016; University of Texas-Rio Grande Valley, Fall 2018; Utah State University, Fall 2018; Arizona State University, Fall 2019; Ohio State University, Fall 2020; State University of New York, Spring 2021; Miami University, Fall 2021; University of North Texas, Fall 2021; University of New Mexico, Fall 2021; North Carolina State University, Fall 2022; University of Oregon, Fall 2022; George Mason University, Fall 2022; Utah State University, Fall 2022; University of California, San Diego, Spring 2023; Temple University, Fall 2023; University of Texas-Rio Grande Valley, Fall 2023; University of California, Santa Barbara, Fall 2023; University at Buffalo, Spring 2024.

Dissertation Examiner (external). School of Physical, Environmental and Mathematical Sciences, University of New South Wales (Australia), Fall 2012; Climate Change Research Center, University of New South Wales (Australia), Fall 2019.

Policy/Community Engagement

Member. U.S. Environmental Protection Agency (EPA) Science Advisory Board (SAB), Environmental Justice Science & Analysis Review Panel (EJSARP). Reviewed the EPA's revised Technical Guidance for Assessing Environmental Justice in Regulatory Analysis (EJTG) and developed a self-initiated commentary outlining recommendations on advancing environmental justice science in federal rulemaking. 2024.

Member. U.S. Environmental Protection Agency (EPA) Science Advisory Board (SAB), EJScreen Review Panel. Provided independent advice through the Chartered SAB on the updated EJScreen (<https://www.epa.gov/ejscreen>) methodology at the request of the EPA's Office of Environmental Justice and External Civil Rights (OEJECR). 2023.

- Steering Committee Member.** Utah Statewide Disaster Resilience Initiative, Development Planning Working Group. Envision Utah in Collaboration with Federal Emergency Management Agency and the Utah Division of Emergency Management. 2021.
- Advisory Committee Member/Contributor.** *Teaching Social Studies in El Paso*, a program that provided resources and support to El Paso area teachers of history, economics, government, geography, psychology, and sociology. 2008-2017.
- Co-founder/Member.** El Paso Alliance for Geographic Education, an El Paso area affiliate of the Texas Alliance for Geographic Education. 2008-2010.
- Member.** White Mountain Natural Resources Working Group, a community-based collaborative composed of diverse stakeholders and charged with facilitating land management in ponderosa pine forestlands of eastern Arizona. 2004-2006.
- Consultant.** Multi-Party Monitoring Board for the United States Forest Service White Mountain Stewardship Contract. My survey research provided the foundation for a longitudinal social monitoring program to inform the adaptive management of a landscape-scale forest restoration project in the Apache-Sitgreaves National Forest. 2004-2010.

Legal Testimony

Expert Witness (pro bono publico).

- Testimony for “Randolph Residents Brief Pursuant to A.R.S.§40-360” in the Matter of the Application of Salt River Project (SRP) Agricultural Improvement and Power District, in Conformance with the Requirements of Arizona Revised Statutes, Section 40-360 Et Seq., for a Certificate of Environmental Compatibility Authorizing the Expansion of the Coolidge Generating Station, Pinal County, Arizona. Docket No. L-00000B-21-0393-00197. Resulted in Arizona Corporation Commission Decision No. 78545 to deny the SRP’s request to expand a gas power plant in an historically Black community. 2022.
- Testimony for Arizona Corporation Commission et al. in “Salt River Project Agricultural and Improvement Power District v. Arizona Corporation Commission, et al.” Resulted in Superior Court of Arizona order to deny SRP’s appeal under A.R.S.§40-254 and affirm Arizona Corporation Commission Decision No. 78545. 2023.