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Education

- 2017 **Ph.D., Environmental Studies**, University of Colorado at Boulder
 Certificate in College Teaching
 Dissertation advisor: Dr. J. Terrence McCabe
 Dissertation: *Building livelihood resilience in semi-arid Kenya: what role does agroforestry play?*
- 2010 **M.S., Resource Conservation**, University of Montana at Missoula
 Emphasis: International Conservation and Development
 Thesis: *Agroforestry potential on household lands outside the Mt. Hanang National Forest Reserve, Tanzania: forest conservation and livelihood implications*
- 2005 **B.S., Biology**, University of Puget Sound
 Study Abroad: Wildlife Management, School for Field Studies, Kenya

Academic Appointments, Affiliations, and Awards

Academic Appointments

- 2024 - **Associate Professor** of Environmental Geography, Department of Geography, San Diego State University.
- 2019 - 24 **Assistant Professor** of Environmental Geography, Department of Geography, San Diego State University.
- 2017 - 19 **Research Assistant Professor**, Jornada Experimental Range, College of Agricultural, Consumer, and Environmental Sciences, New Mexico State University

Affiliations

- 2026 – present Board Chair, California Agroforestry Network
- 2024 - present Research Team Lead, California Agroforestry Network
- 2022 - present Faculty Affiliate, Center for Better Food Futures, SDSU
- 2021- present Faculty Affiliate, NOAA-CESSRST - National Oceanic and Atmospheric Sciences – Center for Earth System Sciences and Remote Sensing Technologies
- 2021 - present Faculty Affiliate, Joint Doctoral Program in Public Health, Global Health, SDSU
- 2020 - present Faculty Affiliate, Blue Gold, SDSU
- 2020 - present Associated Faculty, Sustainability Program

Fellowships

2020 - 2025	Global Young Academy Member (globalyoungacademy.net)
2019	Grants and Research Enterprise Writing Fellowship (GREW), San Diego State University
2017 - 19	SILC (Sustainability Innovation Lab at Colorado) Fellow, University of Colorado Boulder
2015 - 17	Resilience Academy Delegate – Enhancing Resilience to Minimize Loss and Damage from Climate Change: Providing Knowledge for the UNFCCC. Three year workshop (2015 Bangladesh, 2016 Germany, 2017 New York) funded by Munich Re Foundation, International Centre for Climate Change and Development (ICCCAD), and the United Nations University (UNU-EHS)
2014 - 15	US Borlaug Fellow in Global Food Security Research, USAID Feed the Future
2014 - 15	Research Fellow, World Agroforestry Centre, Nairobi, Kenya

Awards and Honors

2025	Most Influential Faculty Member for Geography Major
2025	Most Influential Faculty Member for Sustainability Major

Publications

Peer reviewed works published or in press

54. **Quandt, A.**, Reyna, A.P., Asikunnaby, N., Gould, K., Guerrero, E. D., Jack, P., Joya Euceda, V., Montes-Davis, F., Ortiz, T., Ramirez, M., Saldivar, S., and E.P. Urbano. 2026. Climate policy progression, A comparative analysis of U.S. cities' Climate Action Plans over time. *Urban Affairs Review*. **Accepted**.
53. Peacock, R., Baylis, K., Larsen, A., Sousa, D. and **A. Quandt**. 2026. Stakeholder perspectives regarding the impacts of land restoration on nearby agricultural production in California's San Joaquin Valley. *Water Policy*. **Accepted**.
52. Ololade, O.O., **Quandt, A.**, Sima, M., Matthews, N., and M.V. Kumarasamy. 2026. Editorial: Innovations in the Water-Energy-Food Nexus for Sustainable Management. *Frontiers in Sustainable Resource Management* 5: 1858871. Doi: 10.3389/frsma.2026.1858871
51. Nichols, E.M., **Quandt, A.**, and A.P. Andres. 2026. Urban tree preferences for climate action: community perspectives in Lemon Grove, California. *Urban Transitions* 6: 100035. Doi: 10.1016/j.ubtr.2026.100035
50. Reyna, A.P. and **A. Quandt**. 2026. Differences and collaboration among urban forestry experts in the Tijuana-San Diego Region. *Urban Forestry and Urban Greening* 118: 129336. Doi: 10.1016/j.ufug.2026.129336.
49. Pao, D., O'Shea, B., **Quandt, A.**, and O.O. Ololade. 2026. Examining WEF nexus-integration in 25 years of legislative documents for the Salton Sea region undergoing profound environmental change. *Frontiers in Sustainable Resource Management* 5:1736238. Doi:10.3389/frsma.2026.1736238

48. Grafton, D., **Quandt, A.**, and V.W. Chu. 2025. Iñupiaq cultural heritage and local perspectives of environmental change in northernmost Alaska. *Environmental Research: Ecology*. Doi: 10.1088/2752-664X/ae23d3.
47. Villada-Canela, M., **Quandt, A.**, Muñoz-Pizza, D.M., Reyna, A., and V. García-Searcy. 2025. Community Engagement in Groundwater Management to Enhance Climate Resilience: A Comparative Study of California and Baja California. *Agricultural Water Management* 321: 109925. Doi: 10.1016/j.agwat.2025.109925
46. Bartel, G., **Quandt, A.**, Larsen, A.E., and D. Sousa. 2025. Identifying producer perspectives on groundwater management and repurposed land strategies in Kern County, California. *Water Policy* 27(11): 1232. Doi: 10.2166/wp.2025.090
45. **Quandt, A.**, Sousa, D., Bartel, G., Dunbar, W., Keiser, J., Marschalk, S., Perez, A., Williams, M., Larsen, A.E., and A.J. MacDonald. 2025. Groundwater recharge as an adaptive response to flood events in the San Joaquin Valley, California. *Water Policy* 27 (8): 785–803. Doi: 10.2166/wp.2025.188
44. Larsen, A., Sousa, D., **Quandt, A.**, and A.J. MacDonald. 2025. Weathering the storm: precipitation whiplash has limited effects on agricultural production and pesticide use in California. *Environmental Research Letters* 20: 094003. Do: 10.1088/1748-9326/adf131
43. Sambado, S., Sipin, T.J., Rennie, Z., Larsen, A. Cuninghame, J., **Quandt, A.**, Sousa, D., and A.J. MacDonald. 2025. The paradoxical impact of drought on West Nile virus risk: insights from long-term ecological data. *Proceedings of the Royal Society B: Biological Sciences* 292 (2054). Doi: 10.1098/rspb.2025.1365.
42. MacDonald, A.J., Sousa, D., **Quandt, A.**, Sambado, S., Sipin, T.J., Rennie, Z. and A. Larsen. 2025. Extreme climate whiplash events drive divergent responses of mosquito-borne disease. *PNAS Nexus* 4: pgaf223. Doi: 10.1093/pnasnexus/pgaf223.
41. McCabe, J.T., **Quandt, A.**, and P.W. Leslie. 2025. "Those with many cattle were better off": Herd size preferences and perceived tradeoffs in the face of extreme events. *Pastoralism: Research, Policy and Practice* 15:14511. Doi: 10.3389/past.2025.14511
40. Grafton, D., **Quandt, A.**, and V. Chu. 2025. Last change tourism? Revealing true tourist motivations for visiting Northernmost Alaska. *Annals of Tourism Research Empirical Insights* 6(2): 100183. Doi: 10.1016/j.annale.2025.100183
39. Hyon, D., **Quandt, A.**, Sousa, D., and A.E. Larsen. 2025. Doing more with less: strategic agricultural land retirement during drought improves environmental and social outcomes. *Agriculture, Ecosystems & Environment* 380: 109386. Doi: 10.1016/j.agee.2024.109386
38. Monteverde, C., **Quandt, A.**, Gilberto de Souza Ribeiro, J., and F. De Sales. 2024. Changing climates, changing lives: voices of a Brazilian Amazon farming community in a time of climate crisis. *PLOS Climate* 3(11): e0000522. Doi: 10.1371/journal.pclm.0000522
37. Zuniga, A., Monteverde, C. and **A. Quandt**. 2024. Winegrower perceptions of climate change impacts and adaptive capacity in Southern California, USA. *American Journal of Enology and Viticulture* 75: 0750021. Doi: 10.5344/ajev.2024.24031
36. Okamura, K. and **A. Quandt**. 2024. Groundwater sustainability planning in California: Recommendations for strengthening the Kern Groundwater Sustainability Plan. *Water* 16: 2422. Doi: 10.3390/w16172442
35. Awazi, N.P., **Quandt, A.**, and T.F. Ambebe. 2024. Climate change and anthropogenic pressures on forested wetlands and wetland ecosystems in Cameroon: sustainability and policy implications. *Forestist*. Doi: 10.5152/forestist.2024.24031

34. Mattson, M., Sousa, D., **Quandt, A.**, Ganster, P., and T. Biggs. 2024. Mapping multi-decadal wetland loss: Comparative analysis of linear and nonlinear spatiotemporal characterization. *Remote Sensing of the Environment* 302: 113969
33. **Quandt, A.**, Larsen, A.E., Bartel, G., Okamura, K., and D. Sousa. 2023. Sustainable groundwater management and its implications for agricultural land repurposing. *Regional Environmental Change* 23:120. Doi: 10.1007/s10113-023-02114-2
32. Larsen, A.E., **Quandt, A.**, Foxfoot, I., Parker, N., and D. Sousa. 2023. The effect of agricultural land retirement on pesticide use. *Science of the Total Environment* 896:165224. Doi: 10.1016/j.scitotenv.2023.165224
31. **Quandt, A.** 2023. “You have to be resilient”: Producer perspectives to navigating a changing agricultural system in California, USA. *Agricultural Systems* 207: 103630. Doi: 10.1016/j.agry.2023.103630
30. Ololade, O.O., O’Shea, B., **Quandt, A.**, Pandey, V., and S.A. Oke. 2023. Editorial: Emerging trends on adaptive capacity and water security measures under a looming climate change threat. *Frontiers in Water* 5: 1139682. Doi: 10.3389/frwa.2023.1139682.
29. **Quandt, A.**, Neufeldt, H., and K. Gorman. 2023. Climate change adaptation through agroforestry: opportunities and gaps. *Current Opinion in Environmental Sustainability* 60: 101244.
28. **Quandt, A.**, Grafton, D., Dawson, P.M., Ibarra, C., Mayes, E., Monteverde, C., Piel, D., and P. Paderes. 2023. Mitigation and adaptation to climate change in San Diego County, California. *Mitigation and Adaptation Strategies for Global Change* 28: 7. Doi: 10.1007/s11027-022-10041-6.
27. Keeney, A.J., **Quandt, A.**, Meng, Y., Flores, L., Flores, D., Garrett, R., Hernandez, P. and M. Villaseñor. 2022. “We all have a job to do in this world, it’s up to us”: Farmer and Farmer Mental Health in a Rural US-Mexico Border Region. *Journal of Agromedicine*. Doi: 10.1080/1059924X.2022.2154298.
26. **Quandt, A.**, Keeney, A.J., Flores, D., Flores Jr, L., and M. Villaseñor. 2022. “We left the crop there lying in the field”: Agricultural worker experiences with the COVID-19 pandemic in a rural US-Mexico border region. *Journal of Rural Studies* 95: 533-543. Doi: 10.1016/j.jrurstud.2022.09.039
25. **Quandt, A.**, O’Shea, B., Oke, S.A., and O.O. Ololade. 2022. Policy interventions to address water security impacted by climate change: adaptation strategies of three case studies across different geographic regions. *Frontiers in Water* 4:935422. Doi: 10.3389/frwa.2022.935422
24. Miletic, M., Shahine, F., Sarkar, M., and **A. Quandt**. 2022. A Native American perspective on sustainable and resilient infrastructure in Southern California. *Sustainability* 14: 12811. Doi: 10.3390/su141912811
23. Awazi, N.P., **Quandt, A.**, and J.N. Kimengsi. 2022. Endogenous livelihood assets and climate change resilience in the Mezam Highlands of Cameroon. *GeoJournal*. Doi: 10.1007/s10708-022-10755-9.
22. **Quandt, A.**, and P. Paderes. 2022. Livelihood resilience and global environmental change: towards integration of objective and subjective approaches of analysis. *Geographical Review*: 1-18. Doi: 10.1080/00167428.2022.2085104.
21. Keeney, A.J., **Quandt, A.**, Flores, Daniela, Flores, L. 2022. Work-life stress and COVID-19 among Latina farmworkers in a rural US-Mexico border region. *International Journal of Environmental Research and Public Health* 19: 4928. doi: 10.3390/ijerph19084928

20. **Quandt, A.** 2022. The role of qualitative social science. Discussion of “Guiding principles for hydrologists conducting interdisciplinary research and fieldwork with participants.” *The Hydrological Sciences Journal* 67(7): 1141-1144. doi: 10.1080/02626667.2022.2060107
19. Keeney, A.J., **Quandt, A.**, Villaseñor, M., Flores, D., and L. Flores Jr. 2022. Occupational stressors and access to COVID-19 resources among commuting and residential Hispanic/Latino farmworkers in a US-Mexico border region. *International Journal of Environmental Research and Public Health* 19(2): 763. doi: 10.3390/ijerph19020763.
18. **Quandt, A.**, Salerno, J., Herrick, J., Hartter, J., Baird, T., McCabe, J. T., and E. Xu. 2021. Mobile phone use and agricultural impacts among female smallholder farmers in Tanzania. *Journal of Gender, Agriculture and Food Security* 6(1): 43-54. doi: 10.19268/JGAFS.612021.4
17. Awazi, N.P., and **A. Quandt.** 2021. Livelihood resilience to environmental changes in Kenya and Cameroon: a comparative analysis. *Climatic Change* 165: 33. doi: 10.1007/s10584-021-03073-5
16. **Quandt, A.** 2021. Coping with drought: narratives from smallholder farmers in semi-arid Kenya. *International Journal of Disaster Risk Reduction* 57: 102168. doi: 10.1016/j.ijdr.2021.102168.
15. **Quandt, A.** 2021. Agroforestry trees for improved food security on farms impacted by wildlife crop raiding in Kenya. *Trees, Forests, & People* 4: 100069. doi: 10.1016/j.tfp.2021.100069
14. **Quandt, A.** 2020. Contribution of agroforestry trees for climate change adaptation: narratives from smallholder farmers in Isiolo, Kenya. *Agroforestry Systems*: 1-12. doi: 10.1007/s10457-020-00535-0
13. **Quandt, A.**, Salerno, J., Neff, J., Baird, T. Herrick, J., McCabe, J. T., Xu, E., and J. Hartter. 2020. Mobile phone use is associated with higher smallholder agricultural productivity in Tanzania, East Africa. *PLoS ONE* 15(8): e0237337. doi: 10.1371/journal.pone.0237337
12. **Quandt, A.**, Herrick, J., Peacock, G., Salley, S., Buni, A., Mkalawa, C., and J. Neff. 2020. A standardized land capability classification system for land evaluation using mobile phone technology. *Journal of Soil and Water Conservation* 75(3): 1-11. doi: 10.2489/jswc.2020.00023
11. Abeje, M., Tsunekawa, A., Haregeweyn, N., Nigussie, Z., Adgo, E., Ayalew, Z., Tsubo, M., Elias, A., Berihun, D., **Quandt, A.**, Berihun, M., and T. Masunaga. 2019. Communities’ livelihood vulnerability to climate variability in Ethiopia. *Sustainability* 11(22): 6302.
10. Herrick, J.E., Neff, J., **Quandt, A.**, Salley, S., Maynard, J., Ganguli, A., and B. Bestelmeyer. 2019. Prioritizing land for investments based on short- and long-term land potential and degradation risk. *Environmental Science and Policy* 96: 52-58. doi: 10.1016/j.envsci.2019.03.001.
9. **Quandt, A.** 2019. Variability in perceptions of household livelihood resilience and drought at the intersection of gender and ethnicity. *Climatic Change* 152: 1-15. doi: 10.1007/s10584-018-2343-7
8. **Quandt, A.** 2018. Household Livelihood Resilience Approach: A sustainable livelihoods approach for measuring livelihood resilience. *World Development* 107: 253-263. doi: 10.1016/j.worlddev.2018.02.024.
7. **Quandt, A.**, Neufeldt, H., and J.T. McCabe. 2018. Building livelihood resilience: what role does agroforestry play? *Climate and Development*. doi:

10.1080/17565529.2018.1447903.

6. **Quandt, A.**, Neufeldt, H., and J.T. McCabe. 2017. The role of agroforestry in building livelihood resilience to floods and droughts in semi-arid Kenya. *Ecology and Society* 22(3). doi: 10.5751/ES-09461-220310
5. **Quandt, A.**, and J.T. McCabe. 2017. “You can steal livestock but you can’t steal trees”: the livelihood benefits of agroforestry during and after violent conflict. *Human Ecology* 45(4): 1-11. doi: 10.1007/s10745-017-9922-5.
4. **Quandt, A.** and A. Kimathi. 2017. Perceptions of the effects of floods and droughts on livelihoods: lessons from arid Kenya. *International Journal of Climate Change Strategies and Management* 9(3): 337-351. doi: 10.1108/IJCCSM-11-2014-0132
3. **Quandt, A.** 2016. Farmers and forest conservation: how might land sparing work in practice? *Society and Natural Resources* 29(4), 418 – 431. doi: 10.1080/08941920.2015.1095381
2. **Quandt, A.** 2016. Towards integrating political ecology into resilience-based resource management. *Resources* 5(4): 31. doi: 10.3390/resources5040031.
1. **Quandt, A.**, and A. Kimathi. 2015. Adapting livelihoods to climate change in arid Kenya: local perspectives and insights. *African Journal of Rural Development* 1(1): 51-60. Available at: <http://afjrd.org/jos/index.php/ajrd/article/view/93>

Book chapters published or in press

McCabe, J.T., and **A. Quandt**. 2020. Chapter 11 Drought: A challenge to livelihoods, sustainability, and resilience. In: Angry Earth: Disaster in an Anthropological Perspective, 2nd edition (edited by A. Oliver-Smith, and S.M. Hoffman). New York, NY: Routledge. doi: 10.4324/9781315298917-26

Technical Reports, Policy Briefs, Op-Eds, and Conference Proceedings

- Brausieck, C., Giday, K. Favor, K., and **A. Quandt**. Cultivating Change: The West Coast’s collective push to solve agroforestry challenges. North American Agroforestry Newsletter, July 29, 2026. <https://www.agroforestryassociation.org/post/cultivating-change-the-west-coast-s-collective-push-to-solve-agroforestry-challenges>
- Quandt, A.**, Gorman, K. and L. Mayes. 2023. Opinion: Here are three target areas where San Diego can step up to fight climate change. The San Diego Union-Tribune. Published February 10, 2023. <https://www.sandiegouniontribune.com/opinion/commentary/story/2023-02-10/opinion-here-are-three-target-areas-where-san-diego-can-step-up-to-fight-climate-change>
- Bezner Kerr, R., T. Hasegawa, R. Lasco, I. Bhatt, D. Deryng, A. Farrell, H. Gurney-Smith, H. Ju, S. Lluich-Cota, F. Meza, G. Nelson, H. Neufeldt, and P. Thornton. 2022: Food, Fibre , and Other Ecosystem Products. In: Climate Change 2022: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [H.-O. Pörtner, D.C. Roberts, M. Tignor, E.S.Poloczanska, K. Mintenbeck, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem, B. Rama (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA, pp. 713–906, doi:10.1017/9781009325844.007. **Contributing Author.**
- Quandt, A.**, and L. Flores. 2022. Op-ed: Farmworkers Face Stress and Depression. The

- Pandemic Made it Worse. Civil Eats. Published July 28, 2022.
<https://civileats.com/2022/07/28/op-ed-farmworkers-face-stress-and-depression-the-pandemic-made-it-worse/>
- Irkiso, A.B., Abebe, B.T., Hadgu, K., Abza, T.G., and **A. Quandt**. 2020. Pilot Testing LandPKS Smartphone Application for Local Level Participatory Land Use Planning in Ethiopia. 2020 World Bank Conference on Land and Poverty, The World Bank – Washington, D.C., March 16-20 2020.
- International Resource Panel (IRP). 2019. Land Restoration for Achieving the Sustainable Development Goals: An International Resource Panel Think Piece. Herrick, J.E., Abrahamse, T., Abhilash, P.C., Ali, S.H., Alvarez-Torres, P., Barau, A.S., Branquinho, C., Chhatre, A., Chotte, J.L., Cowie, A.L., Davis, K.F., Edrisi, S.A., Fennessy, M.S., Fletcher, S., Flores-Díaz, A.C., Franco, I.B., Ganguli, A.C., Speranza, C.I., Kamar, M.J., Kaudia, A.A., Kimiti, D.W., Luz, A.C., Matos, P., Metternicht, G., Neff, J., Nunes, A., Olaniyi, A.O., Pinho, P., Primmer, E., **Quandt, A.**, Sarkar, P., Scherr, S.J., Singh, A., Sudoi, V., von Maltitz, G.P., Wertz, L., Zeleke, G. A think piece of the International Resource Panel. United Nations Environment Programme, Nairobi, Kenya.
- Quandt, A.** 2018. Designing the LandPKS App: Guidelines for Developing a Global App. LandLinks Newsletter, USAID, June 20, 2018. Available at: <https://land-links.org/2018/06/designing-the-landpks-app-guidelines-for-developing-a-global-app/>
- Quandt, A.** 2018. Announcing the Release of LandPKS 3.0. LandLinks, Newsletter, USAID, April 18, 2018. Available at: <https://land-links.org/2018/04/announcing-the-release-of-landpks-3-0/>
- Quandt, A.** 2018. LandCover: A Mobile Tool for Vegetation Monitoring. LandLinks Newsletter, USAID, February 27, 2018. Available at: <https://www.land-links.org/2018/02/landcover-mobile-tool-vegetation-monitoring/>
- Quandt, A.** 2018. Location Matters! The Land Potential-Knowledge System Provides Point-Scale Soil Information. LandLinks Newsletter, USAID, January 30, 2018. Available at: <https://land-links.org/2018/01/location-matters-landpks-can-provide-point-scale-soil-information/>
- Quandt, A.** 2017. Online Training for Using the LandPKS App – Available Now. LandLinks Newsletter, USAID, Dec 20, 2017. Available at: <https://land-links.org/2017/12/online-training-using-landpks-app-available-now/>
- Resilience Academy Participants. 2016. Loss and Damage, Livelihood Resilience: 5 key insights from the Resilience Academy and 5 recommendations for the 5-year work plan on Loss and Damage. United Nations University – Institute for Environment and Human Security. Policy Brief 10. DOI: 10.13140/RG.2.2.25250.63689
- Quandt, A.** 2013. Climate-Smart, Ecosystem-Friendly Livelihood Options in Isiolo County, Kenya. Prepared for the Partners for Resilience Project, Red Cross/Red Crescent Climate Centre. Available at: https://www.researchgate.net/publication/283928369_Partners_for_Resilience_Livelihoods_Assessment_Report_-_August_2013

Funding

External Grants Funded

2025-2026	PI. Agroforestry for climate change adaptation. EdEc Faculty Innovator Program at the NSF National Center for Atmospheric Research. \$18,200
2025-2027	Co-PI. (PI Erfan Goharian). NSF R2I2: Adaptive water resilience and climate operations in the Southwest Incubator (AWRCOS Incubator). National Science Foundation (Award # 2519484). \$500,000
2025- 2027	Mentor. (PI Nicole Scavo). The influence of agricultural practices on mosquitos, mosquito-borne disease, and their impact on agricultural workers in Kern County, California. United States Department of Agriculture, National Institute of Food and Agriculture Postdoc (Award No 2025-67012-44809). \$194,318
2025-2026	PI. Scaling up agroforestry adoption through training of California's agriculture and natural resources professionals. Western SARE – California Education Implementation Mini-Grants Program, University of California Agriculture and Natural Resources Office. \$25,000
2024-2025	Faculty Mentor. California State University, Agricultural Research Institute – NextGen Fellowship. Chie Tsujimoto student fellow, \$11,000
2023-2028	Co-PI. Expanding and diversifying careers in sustainable food systems along the US-Mexico Border, USDA-NIFA (United States Department of Agriculture – National Institute of Food and Agriculture NextGen; Award number: 2023-70440-40156). \$5,000,000
2023-2025	PI. <i>Climate change adaptation through agroforestry: an integrated socio-economic and biophysical assessment in two semi-arid regions</i> . National Center for Atmospheric Research, Early Career Faculty Innovator Program (National Science Foundation Sub-award). \$325,612
2023-2024	PI. Rapid response to extreme weather to promote human health and agroecosystem resilience in the San Joaquin Valley, California. USDA (United States Department of Agriculture) Rapid Response to Extreme Weather Events Across Food and Agricultural Systems (A1712). \$299,440
2022-2025	PI (Co-PI Dr. McCabe, CU-Boulder and Co-PI Dr. Leslie, UNC-Chapel Hill). Collaborative Research: Response and Resilience Following Compound Extreme Events. National Science Foundation (NSF) Cultural Anthropology Program Senior Research Awards, Award Number 2148171. 2022-2025. \$108,173
2021-2025	Co-PI (PI Dr. Larsen, UCSB). <i>Sustainable Agroecosystems: Harnessing policy-driven land use change for the sustainability, productivity and vitality of agroecosystems</i> . United States Department of Agriculture, National Institute of Food and Agriculture (USDA-NIFA), Agriculture and Food Research Initiative (AFRI): Foundational and Applied Science Program in the area of Bioenergy, Natural Resources, and Environment. 2021-2025. \$649,958
2021	Co-PI (PI Dr. Marta Miletic, SDSU). <i>Sustainable Leadership Academy: Exposing Girls and Underrepresented Students to STEM Careers</i> . The San Diego Foundation, San Diego Unified Level Up SD Grant. \$136,319
2021	Co-PI (PI Dr. Anne Keeney, SDSU, School of Social Work). <i>Understanding COVID-19 Testing and Vaccine Access for Daytime Farmworkers in Imperial County</i> . Western Center for Agricultural Health and Safety (WCAHS) rapid response funding opportunity. \$13,871
2018 - 20	Co-PI (PI Terri Schulz, The Nature Conservancy of Colorado). <i>Expanding and testing the utility of Land Potential Knowledge System (LandPKS) – an open</i>

- source grazing land evaluation tool for ranchers. Natural Resources Conservation Service Conservation Innovation Grants, **\$427,164**
- 2018 - 20 Co-PI (Co-PI's J.W. Karl, E. Winford, A. Hulet, and J. Herrick), *Training on monitoring techniques to support outcome-based management on private and public rangeland*. Western SARE (Sustainable Agriculture Research and Education) Competitive Grants, Professional Development Program, USDA, **\$70,972**
- 2014 - 15 Co-PI (J.T. McCabe, Co-PI), *Building livelihood resilience in semi-arid Kenya: what role does agroforestry play?* US Borlaug Fellows in Global Food Security Graduate Research Grant, **\$19,995**

Internal Grants and Awards

- 2026 San Diego State University, College of Arts and Letters, Critical Thinking Grant for Fall 2026. **Course Release.**
- 2025 PI, Dean's Author Support Fund. Pastoralism publication. **\$1000**
- 2025 College of Arts and Letters Spring 2025 Microgrant, **\$500**
- 2023 PI, Dean's Author Support Fund. Regional Environmental Change publication. **\$1000**
- 2023 Co-PI (PI Fernando De Sales, SDSU), Socio-economic equality and environmental sustainability of Southern California and Baja California wineries. Water Across Borders Big Ideas funding. **\$4350**
- 2023 Co-PI (PI Mariana Villada Canela, Universidad Autonoma de Baja California), *Building resilience to climate change impacts through community engagement in water management: A comparative study of California and Baja California*. Water Across Borders Big Ideas funding, **\$4447**
- 2023 San Diego State University, College of Arts and Letters, Critical Thinking Grant for Spring 2024. **Course Release.**
- 2023 PI, *Feasibility of agroforestry for climate change adaptation in San Diego County, California*. 2023 Seed Grant Program, San Diego State University. **\$7500**
- 2022 Faculty Mentor, 2022-2023 Completion of Research and Creative Activity (CORE) Fellowship, Margot Mattson. **\$920**
- 2022 PI, Summer Undergraduate Research Program, San Diego State University. **\$3267**
- 2021 PI, Summer Undergraduate Research Program, San Diego State University. **\$2755**
- 2020 - 21 PI, *The agricultural resilience of the Imperial Valley: historical, current, and future perspectives*. University Grants Program, San Diego State University, **\$9,965**
- 2019 Grants and Research Enterprise Writing Fellowship (GREW), San Diego State University, **\$3,000**
- 2019 Shared Vision Grant, funded by the Department of Geography, San Diego State University, **\$700**
- 2017-18 Research Assistant (J. Hartter, University of Colorado Boulder, PI) Improving access to agricultural knowledge through mobile phones: exploring the potential for technology adoption in Africa. Innovative Seed Grant Competition, **\$50,000**
- 2017 Graduate School Travel Grant, funded by the University of Colorado Boulder, **\$300**

2016	Environmental Studies Travel Grant, funded by the University of Colorado Boulder, \$800
2016	Graduate School Travel Grant, funded by the University of Colorado Boulder, \$300
2014	Graduate Student International Travel Grant, funded by the University of Colorado Boulder, \$500
2014	Environmental Studies Travel Grant, funded by the University of Colorado Boulder, \$1,000
2013	University of Colorado at Boulder Beverly Sears Graduate Student Research Grant, funded by the University of Colorado Boulder, \$1,000
2009	Presidents Emergency Plan for AIDS Relief Grant, USAID, \$1,000
2008	Peace Corps Partnership Grant, \$7,000

Presentations and Posters

- 2026 *Opportunities and Gaps for Agroforestry on the West Coast*. California Agroforestry Network. May 21st, 2026. (Invited)
- 2026 *Repurposing Land, Managing Groundwater, Stakeholder Perspectives from the San Joaquin Valley*. Nevada Water Resources Association. May 18th, 2026. (Invited)
- 2026 *AWRCOS Incubator Project*. Poster presentation. National Adaptation Forum. May 12, 2026.
- 2026 *SGMA and Land Repurposing in the San Joaquin Valley: Stakeholder Perspectives and Newspaper Analysis*. CSU-Water Annual Meeting. April 23, 2026
- 2026 *Agroforestry for Climate Change Adaptation: Lessons from two Semi-Arid Regions*. American Association of Geographers Annual Meeting, March 14, 2026.
- 2026 *Agroforestry Across California*. 2026 California Small Farm Conference. Hosted by the Community Alliance with Family Farmers. February 24, 2026.
- 2025 *Introduction to Climate Change*. Mission Trails Regional Park Eco-ambassador Program. October 26, 2025 (Invited).
- 2025 *Perspectives on Land Repurposing: Insights from Farmers, Stakeholders, and Newspaper Analyses*. Environmental Defense Fund – Land Repurposing Research Roundup. October 16, 2025 (Invited).
- 2025 *Global Sustainable Resilience Strategies Session*. Natural Hazards Workshop, Researchers Meeting. Moderator. July 18, 2025.
- 2025 *Agroforestry and Climate Change Adaptation*. San Diego State University, Guest lecture in the course Biology 496: Sustainable Agriculture. February 27, 2025
- 2025 *Climate change adaptation and agroforestry: socio-economic and biophysical assessment*. National Center of Atmospheric Research, Innovator PI Symposium, July 9, 2025 (invited)
- 2025 California 5th Climate Assessment San Diego Regional Report Coauthor meeting. June 19, 2025 (invited)
- 2024 *From the Ground Up: The Soil Crisis in the Climate Conversation*. Save Soil Student group, San Diego State University. November 14, 2024. (Invited)
- 2024 *Climate change adaptation and agroforestry in San Diego County, California*. Avocado Growers of California, Pala, California. July 18, 2024

- 2024 *Climate change adaptation and agroforestry in San Diego County, California*. Natural Hazards Conference, Broomfield, Colorado. July 18, 2024
- 2024 *Winegrape grower impacts and adaptation to climate change*. Ramona Valley Viticulture Association Meeting. Escondido, California. June 21, 2024.
- 2024 *Climate Change Adaptation an Agriculture in San Diego*. Small Winegrape Growers Association meeting. Temecula, California. May 13, 2024.
- 2024 *Agroforestry and Climate Change Adaptation*. San Diego State University, Guest lecture in the course Biology 496: Sustainable Agriculture. February 15, 2024
- 2023 *Agroforestry and Sustainable Agriculture*. San Diego State University, Guest lecture in the course Biology 496: Sustainable Agriculture. March 15, 2023. (Invited)
- 2022 *Land Repurposing in the Southern Central Valley, California: Stakeholder Perspectives and Recommendations*. Washington, DC. ACES: A community on Ecosystem Services. December 15, 2022.
- 2022 *Climate Change Adaptation Through Agroforestry: Opportunities and Gaps*. University of California – Santa Barbara, Climate Talks. October 21, 2022. (Invited)
- 2022 *Intersections of Conservation, Livelihoods, and Health: Case Studies from East Africa and California*. San Diego State University, Global Health Joint Doctoral Program Colloquium. September 21, 2022 (Invited)
- 2022 *Climate Change Adaptation Through Agroforestry: Opportunities and Gaps*. San Diego State University, Department of Biology, Monday Talks. September 12, 2022. (Invited)
- 2021 *Intersections of Environmental Conservation and Resilient Livelihoods: Strategies and Approaches in East Africa and Beyond*. San Diego State University, Global Health Joint Doctoral Program Colloquium. October 27, 2021 (Invited)
- 2021 *Coping with Drought: Narratives from Smallholder Farmers in Semi-Arid Kenya*. University of California – Santa Barbara, Department of Geography Colloquium. April 15, 2021 (Invited)
- 2019 *Perceptions of Drought in Kenya*. San Diego State University, Introduction to Human Geography course. Fall 2019 term, November 20, 2019 (Invited).
- 2019 *LandPKS for Developing Communities*. University of Colorado, Engineering for Developing Communities course. Spring 2019 term, April 16, 2018 (Invited)
- 2018 *Drought in Kenya: An Anthropological Perspective*. University of Colorado, Natural Hazards Course, Summer 2018 Term, July 23, 2018 (Invited)
- 2018 *LandPKS: A New Mobile Tool for Sustainable Land-Use Planning and Management*. Paper presented at the 2018 World Bank Conference on Land and Poverty. The World Bank – Washington, D.C., March 19-23, 2018.
- 2018 *Land-Potential Knowledge System: Mobile Phone Technology for Sustainable Land Management*. Brown Bag Presentation at the Jornada Experimental Range, New Mexico State University, February 23, 2018 (Invited)
- 2018 *The Land-Potential Knowledge System (LandPKS): Mobile Phone Technology for Biodiversity Conservation and Sustainable Land Management*. Lecture presented at the Las Cruces Museum of Nature and Science, February 21, 2018 (Invited)
- 2017 *Agroforestry and agricultural diversity*. Lecture presented in Sustainable Agriculture course at the University of Colorado Boulder, October 26, 2017 (Invited)
- 2017 *The Land-Potential Knowledge System (LandPKS): Mobile apps for sustainable land management*. Paper presented at the Resilience Academy, Woodrow Wilson Center, Washington, DC, Oct 19, 2017 (Invited). Video of presentation available at:

- <https://www.youtube.com/watch?v=R4S2luT3VwY> (Between 35 and 43 minutes)
- 2017 *Building livelihood resilience in semi-arid Kenya: what is the role of agroforestry?* Jornada Experimental Range Lecture Series, New Mexico State University (invited)
- 2017 *If and how does agroforestry build livelihood resilience to floods and droughts in semi-arid Kenya.* Paper presented at the Environmental Studies Colloquium Series, University of Colorado Boulder April 3, 2017 (Invited)
- 2017 *Drought: a challenge to livelihoods, sustainability, and resilience.* Paper presented at the Society of Applied Anthropology Annual Meeting, March 30, 2017 (invited)
- 2017 *Building livelihood resilience: What role does agroforestry play?* Paper presented at the Society of Applied Anthropology Annual Meeting, March 30, 2017
- 2016 *Building livelihood resilience to floods and droughts in Kenya: What role does agroforestry play?* Poster presented at the 3rd Annual Institute of Behavioral Science Student Research Symposium, University of Colorado at Boulder
- 2015 *Ecosystem services and loss and damage to climate change.* Workshop session at the Resilience Academy – Enhancing Resilience to Minimize Loss and Damage from Climate Change: Providing Knowledge for the UNFCCC, Bangladesh
- 2015 *Agroforestry and livelihood resilience in Isiolo, Kenya.* Paper presented at the Workshop on Climate/Environment and Insecurity in Kenya (invited)
- 2013 *Climate-smart, ecosystem-friendly livelihood options in Isiolo County, Kenya.* University of Colorado at Boulder, Environmental Studies Colloquium (invited)
- 2013 *Climate-smart, ecosystem-friendly livelihood options in Isiolo County, Kenya.* University of Colorado at Boulder, Center for Science and Technology Policy Research Lunchtime Series (invited)

Popular Coverage of Professional Work

- San Diego Farmers are impacted by climate change. KPBS Radio Midday Edition. Aired Sept 10, 2024. <https://www.kpbs.org/podcasts/kpbs-midday-edition/san-diego-farmers-tackle-climate-change-challenges>
- San Diego farming studied for insights on regenerative agriculture, climate change. San Diego State University News. July 8, 2024. <https://www.sdsu.edu/news/2024/07/san-diego-farming-studied-for-insights-on-regenerative-agriculture-climate-change>
- Research Highlight. Dayrell, C. 2022. Assets and Resilience. Nature Climate Change. [Doi: 10.1038/s41558-022-01523-1](https://doi.org/10.1038/s41558-022-01523-1)
- Ramona Sentinel. [Vines and Wines](#): Ramona's grape growers help SDSU researchers study impact of climate change on vineyards. October 2022.
- Calexico Chronical. [Re:Border 2021 Highlights Academic Partnerships](#). November 2021.

Teaching and Mentoring

Courses Taught as Instructor of Record

- 2022 - GEOG 570: Environmental Conservation Practice
- 2022 - GEOG 360: Human Dimensions of Climate Change
- 2021 - GEOG 770: Seminar in Environmental Conservation
- 2021 - 2022 GEOG 496: Human Dimensions of Climate Change

2020 - GEOG 370 Conservation Science and Policy
 2020 GEOG 590: CAL Experience: Human-Environmental Aspects of COVID-19 (Co-taught course)
 2017 ENVS 4100-001/ GEOG 4100-003: Special Topics in Environmental Studies/Geography - Agroforestry: A Global Perspective
 2013-14 WRTG 1150: First-Year Writing and Rhetoric

Graduate Students Advised

Judith Bross, PhD, Geography, SDSU/UCSB – ongoing
 Dan Grafton, PhD, Geography, SDSU/UCSB – Spring 2026
 Asikunnaby, PhD, Geography, SDSU/UCSB – ongoing
 Sarah Posner, PhD, Geography, University of Colorado-Boulder – Spring 2026
 Rachel Hagar, MS, Geography, SDSU – ongoing
 Maddie Dolan, MA, Geography, SDSU - ongoing
 Meghan Concheri, MA, Geography SDSU - ongoing
 Andres Reyna, MA, Geography, SDSU – Spring 2025
 Aidan Patterson, MS, Geography, SDSU – ongoing
 Tyana Ortiz, MA, Geography, SDSU – Spring 2026
 Steven Saldivar, MA, Geography, SDSU – ongoing
 Fabian Montes, MA, Geography, SDSU – ongoing
 Kennedy Gould, MA, Geography, SDSU – Spring 2026
 Gracie Bartel, MA, Geography, SDSU – Spring 2024
 Judith Bross, MA, Geography, SDSU – Summer 2024
 Jackie Weeden, MA, Geography, SDSU – Spring 2024
 Phevee Paderes, MA, Geography, SDSU – Spring 2023
 Kayla Gorman, MA, Geography, SDSU – Spring 2022

Graduate Student Thesis/Dissertation Committees

Kwasi Asomani, MS, Geography, SDSU – Spring 2026
 Jessica Keiser, MS, Geography, SDSU – ongoing
 James Abbott, MS, Geography, SDSU - ongoing
 Ibisia Jack, PhD, Geography, SDSU-ongoing
 Rex Peacock, PhD, Geography, SDSU – Spring 2026
 Sam Orndorff, PhD, Geography, SDSU – Fall 2025
 Jacqui Vogel, PhD, Geography, SDSU – ongoing
 Gianna Leonard, MA, Geography, SDSU - ongoing
 Lucy Terry, MAS, Climate Science and Policy, UCSD – Spring 2025
 Olivia Richard – MS, Economics, SDSU – Spring 2025
 Elise Piazza, MS, Geography, SDSU – Spring 2025
 Dawn Reynolds, MA, Geography, SDSU – Spring 2025
 Blair Syakobbola, MS, Economics, SDSU – Spring 2025
 Vince Rivas, MS, Biology, SDSU – Summer 2026
 Alexandra Hoff, MS, Biology, SDSU – Fall 2024
 June Carrington, MA, Geography, SDSU – Spring 2025

Shara Narsipur, MA, Rhetoric and Writing Studies, SDSU – Fall 2024
Corrie Monteverde, PhD, Geography, SDSU – Spring 2024
Nancy Guzman, MA, Anthropology, SDSU – Spring 2024
Reid Endress, MA, Geography, SDSU – Spring 2024
Christina Garvey, MA, Geography, SDSU – Summer 2023
Daniel Ochoa, MA, Geography, SDSU – Spring 2023
Margot Mattson, MS, Geography, SDSU – Spring 2023
Tracy Lui, MS, Geography, SDSU – Fall 2022
Gabriela Morales, MS Geography, SDSU – Spring 2022

Undergraduate Thesis, Capstone, or Internship Students Advised

Masao Honda, Sustainability, SDSU – 2024-25
Kyle Knight, Environmental Science, SDSU- 2024 – 25
David Rose, Geography, SDSU – 2024-25
Jacob Bates, Geography, SDSU – 2024-25
Landon Ling, Geography, SDSU – 2024-25
Elizabeth Danielson, Geography, SDSU – 2024-25
Logan Hernandez-Baker, Sociology, SDSU – 2024-25
Cayman Debareiner, Environmental Science, SDSU – 2024-25
Sydney Hoke, Environmental Science, SDSU – 2024-25
Sofia Petrus, Environmental Science, SDSU – 2024-25
Andrea Perez, Environmental Science, SDSU – 2023-24
Sydney Marschalk, Environmental Science, SDSU – 2023-24
Wendy Dunbar, Environmental Science, SDSU – 2023-24
Madeline Williams, Environmental Science, SDSU – 2023-24
Jessica Keiser, Environmental Science, SDSU – 2023-24
Ashton Smith, Environmental Science, SDSU – 2023-24
Bobby Uribe, Sustainability, SDSU – 2023-24
Theresa Thomas, Sustainability, SDSU – 2023-24
Abbigail Ennamorato, Sustainability, SDSU – 2023-24
Amber Fisher, Sustainability, SDSU – 2023-24
Chie Tsujimoto, Sustainability, SDSU – 2023- 25
Piper Horning, Environmental Science, SDSU – 2022-23
Emmalyn Norman, Environmental Science, SDSU – 2022-23
Marina Pangilinan, Environmental Science, SDSU – 2021-22

Ph.D. Dissertation Examiner

Dennis Rweyemamu, Lincoln University, New Zealand.
“Understanding resilience and conflict in a changing climate among agropastoralist and farming communities in Morogoro region, Tanzania”
Ph.D. Examiner, 2019

Teaching Assistant

- 2016 ENVS 3525-002: Environmental Studies Cornerstone – Sustainable Food Systems
- 2013 ENVS 2000: Applied Ecology for Environmental Studies
- 2013 ENVS 3621: Energy, Policy, and Society
- 2006 University of Montana: Introduction to Recreation Management
- 2005 University of Puget Sound: Genetics

Pedagogical Development

- 2017 **Certificate of College Teaching.** Awarded by the Graduate Teacher Program, University Colorado Boulder. Attended 20 workshops, 2 credits of a discipline specific pedagogy course, two videotape consultations, a faculty evaluation, and wrote a teaching portfolio (certificate and portfolio available upon request)
- 2014 **Pedagogy for Environmental Studies, Geography, and Ecology.** Two credit course on innovative teaching techniques and teaching to a diversity of students.
- 2014 **WRTG 5050: Graduate Studies for Teaching Writing and Rhetoric.** Two credit course focused on how to teaching university writing skills.
- 2012 **Environmental Studies Undergraduate Learning Objectives.** Assisted to develop the learning objectives for undergraduates in the Environmental Studies Program at the University of Colorado at Boulder

Academic Mentoring

- 2018 Advised and supervised a high school student on data analysis for household survey work conducted in Tanzania
- 2017 Advised and directly oversaw two Masters of the Environment students at the University of Colorado Boulder on quantitative data analysis
- 2017 Taught and supervised Tanzanian undergraduate students on household survey methods
- 2015 Taught and supervised 10 Kenyan students on mixed methods social science research including household surveys and qualitative interviews

Other Teaching Activities

- 2017 Developed and managed an online LandPKS training module (<http://learn.landpotential.org/>)
- 2017 Developed and led implementation of the LandPKS One-Day Training in collaboration with the Regional Centre for Mapping Resources for Development (RCMRD) in Nairobi, Kenya
- 2017 Taught a half-day LandPKS training for Peace Corps Volunteers in Morogoro, Tanzania

Service

Editor

- 2023 Guest Editor, *Frontiers in Sustainable Resource Management*, Special Edition on “Operationalizing the Water-Energy-Food Nexus as an Adaptation and Mitigation Strategy for Climate Change and Resource Management”

- 2021-2022 Guest Editor, *Frontiers in Water*, Special Edition on “Emerging Trends in Adaptive Capacity and Water Security Measures under a Looming Climate Change Threat”
- 2022 Guest Editor, *Frontiers in Sustainable Food Systems*

Committees and Advising

- 2026 Policy Advisory Council, Geography, SDSU
- 2026 Personnel Committee Member, Geography, SDSU
- 2026 Masters Graduate Advisor, Geography, SDSU
- 2025 Co-Chair, National Center for Atmospheric Research PI Symposium. July 9, 2025.
- 2024 – Research Committee Lead and Steering Committee Member, California Agroforestry Network, <https://calagroforestry.org/>
- 2023-2024 Hiring Committee Member for Assistant Professor in Environmental Sustainability Position, Department of Geography, San Diego State University
- 2021- 2023 Diversity Committee Chair, Department of Geography, San Diego State University
- 2021- Faculty advisor for the Geography Graduate Student Association, San Diego State University
- 2021 Hiring Committee Member for Assistant Professor of Remote Sensing and Environmental Geography Position, Department of Geography, San Diego State University
- 2020- 2026 Scholarship Committee, Department of Geography, San Diego State University
- 2020- MA/MS Committee, Department of Geography, San Diego State University
- 2020 Mundt Cambodia Fellowship Review Committee, College of Arts and Letters, San Diego State University
- 2019-2021 Diversity Committee, Department of Geography, San Diego State University
- 2015-16 Happy Hour Coordinator, Environmental Studies Program, University of Colorado at Boulder
- 2012-14 Sports Viewing Committee Member, Environmental Students Program, University of Colorado at Boulder
- 2006-7 Graduate student group Vice-President, Department of Society and Conservation, University of Montana

Journal Reviewer

Nature Climate Change (1); Nature Sustainability (1); WIREs Climate Change (1); Global Environmental Change (1); International Journal of Disaster Risk Reduction (8); Human Ecology (5); Helyion (5); Climate and Development (6); Climatic Change (5); PLOS ONE (3); Society and Natural Resources (3); Agricultural Systems (3); Sustainability (2); Natural Resources Forum: A United Nations Sustainable Development Journal (2); Environment, Development and Sustainability (2) Ecology and Society (3); Trees, Forests, People (2); Journal of Agromedicine (3); World Development (5); Forest Policy and Economics (1); Journal of Political Ecology (1); Resilience: International Policies, Practices, and Discourses (1); Mountain Research and Development (1); The

Open Agriculture Journal (1); Climate Policy (1); Journal of Rural and Community Development (1); Food Security (1); Environment and Planning E: Nature and Space (1); The Scientific World Journal (1); Frontiers in Sustainable Food Systems (1); Frontiers in Forests and Global Change (1); Weather, Climate, and Society (1); Frontiers in Climate (1); Agroforestry Systems (1); Environmental Development (1); Regional Environmental Change (1); Environmental Management (1); Current Opinion in Environmental Sustainability (2); Population and Environment; Elementa: Science of the Anthropocene (1); Journal of Rural Studies (1); Climate Risk Management (1); Current Research in Environmental Sustainability (2); Frontiers in Water (2); Journal of Environmental Management (2); Environment and Planning E: Nature and Space (1); American Journal of Climate Change (1); Urban Affairs Review (2); Next Sustainability (1); Agriculture and Human Values (1); Elementa (2); Land Use Policy (1)

Grant Reviewer

California Institute for Water Resources Early-Career Research Grant reviewer. April 2025.

California State University, WATER, Faculty Incentive Program. Application Review. February 2025.

National Science Foundation, Human-Environment and Geographical Sciences Program, Ad Hoc Review. October 2024.

National Science Foundation, National Center for Atmospheric Research, Early Faculty Innovators Program proposal review. October 2024.

National Science Foundation, Doctoral Dissertation Research Improvement, Human-Environment and Geographical Sciences Program. March 2024.

USDA – NIFA grant proposal reviewer. A1712 Rapid Response to Extreme Weather Events Across Food and Agriculture Systems program. 2023-2024

External reviewer for The Bill & Melinda Gates Foundation Grand Challenge Explorations Program, 2018

Ad Hoc Reviewer for National Science Foundation, Decision, Risk, and Management Sciences Program, 2019

Reviewer for National Science Foundation, Graduate Research Fellowship Program, 2019-20

Reviewer for student applications to the Mundt Peace Fellowships in Cambodia, San Diego State University, 2020

Grant Reviewer for the International Foundation for Science – IFS Sweden, 2020

Trainings

Macroaggression and Implicit Bias Training, SDSU, Fall 2019
Military Ally Training, SDSU, Fall 2019
Ability Ally Training, SDSU, Spring 2022

Professional Memberships

Association for Temperate Agroforestry
National Peace Corps Association
American Association of Geographers

Professional Work Experience

2010 -	Founder and Director , Barjomot Scholarship Foundation - Foundation provides scholarship to secondary school for students in Barjomot, Tanzania
2017-19	Global Coordinator , Land-Potential Knowledge System - Lead adoption and user-centered design of mobile apps for sustainable agricultural development, biodiversity conservation, and land management
2013	Junior Researcher , Red Cross/Red Crescent Climate Centre, Isiolo, Kenya - Created, conducted, and analyzed a climate-smart, ecosystem-friendly livelihoods survey
2012	Natural Programs Director , Camp Namanu Campfire Camp, Oregon
2011-12	Base Manager , Thai Elephant Conservation Project, Global Vision International, Huay Pakoot, Thailand - Managed daily logistics, volunteer-led data collection, and community-based projects
2007-9	United States Peace Corp Volunteer , Tanzania - Worked as a rural extension agent in the Environmental Education and Sustainable Agriculture in Rural Communities Program

Skills

Computer Programs

Microsoft Office (Word, Excel, PowerPoint)
Stata
ArcGIS
NVivo
R

Research Skills

Social science mixed-methods
Quantitative Surveys
Qualitative interviews
Focus groups
Archival research
Key informant interviews
Participant observation

Languages

English – Native speaker
Swahili – Advanced conversational
Spanish – Beginner