

ROBERT B. RICHARDSON

Michigan State University
480 Wilson Road, East Lansing, MI 48824-1222 USA

Telephone: +1 (517) 355-9533
Electronic mail: rbr@msu.edu

EDUCATION

Ph.D., Agricultural and Resource Economics, Colorado State University 2002
Fields of specialization: Environmental and Resource Economics; International Development
M.B.A., Finance, New York University, Stern School of Business 1995
B.S., Management, Tulane University, A.B. Freeman School of Business 1989

ACADEMIC AND PROFESSIONAL EXPERIENCE

Michigan State University East Lansing, Michigan, USA
College of Agriculture and Natural Resources and MSU AgBio Research
Professor, Department of Community Sustainability 2019 – present
Associate Professor, Department of Community Sustainability 2013 – 2019
Assistant Professor, Department of Community Sustainability 2007 – 2013

Galen University San Ignacio, Belize
Assistant Professor, Economics 2005 – 2006

Centre for Rainforest Studies, School for Field Studies Queensland, Australia
Lecturer, Environmental Economics and Policy 2003 – 2004

University of Vermont, School of Natural Resources Burlington, Vermont, USA
Extension Assistant Professor 2002 – 2003

Colorado State University, Department of Agricultural and Resource Economics Fort Collins, CO, USA
Graduate Research Assistant, Instructor 1999 – 2002

RESTORE: The North Woods Concord, MA, USA
Program Coordinator 1996 – 1998

A.T. Kearney Washington, DC and New York, NY, USA
Senior Consultant 1993 – 1995
Analyst 1991 – 1993

Chemical Bank New York, NY, USA
Analyst, Corporate Finance 1989 – 1990

AWARDS AND HONORS

National Academies of Sciences, Engineering, and Medicine Washington, DC, USA
Jefferson Science Fellow 2020 – 2021

U.S. Department of State
Bureau of Intelligence and Research, Office of the Geographer and Global Issues
Security Clearance: Top Secret/SCI

SELECTED PUBLICATIONS

Peer-Reviewed Journal Articles

- Richardson, R. B.**, L. Schmitt Olabisi, K. B. Waldman, N. Sakana, and N. G. Brugnone. (2021). Modeling interventions to reduce deforestation in Zambia. *Agricultural Systems* 194: 103263. <https://doi.org/10.1016/j.agsy.2021.103263>.
- Laituri, M., **R. B. Richardson**, L. V. Cline, S. Viscuso, and L. Schwartz. (2021). COVID-19's second-order impacts on global vulnerable urban areas. *Annals of GIS*. <https://doi.org/10.1080/19475683.2021.1954087>.
- Vroegindewey¹, R., **R. B. Richardson**, D. L. Ortega, and V. Theriault. (2021). Consumer and retailer preferences for local dairy products: Evidence from stacked choice experiments in urban Mali. *Food Policy* 103: 102106. <https://doi.org/10.1016/j.foodpol.2021.102106>.
- Vroegindewey¹, R., **R. B. Richardson**, and V. Theriault. (2021). Key factors for increasing farmer participation in markets: evidence from the Malian dairy sector. *La Revue d'Élevage et Médecine Vétérinaire des pays Tropicaux (Tropical Livestock and Veterinary Medicine Review)* 74(2): 93-103. <https://doi.org/10.19182/remvt.36331>.
- Ghimire, R., M. Suvedi, M. Kaplowitz, and **R. B. Richardson**. (2021). Perceived importance of core competencies among extension professionals in Nepal. *Global Journal of Agricultural and Allied Sciences*, 3(1), 8-15. <https://doi.org/10.35251/gjaas.2021.002>.
- Gunn, G., V. Tarabara, M. Ruttly, D. Bessette, and **R. Richardson**. (2021). Roughness and storage capacity of freshwater ice in the Straits of Mackinac. *Cold Regions Science and Technology* 186: 103278. <http://doi.org/10.1016/j.coldregions.2021.103278>.
- Scott¹, C. K. and **R. B. Richardson**. (2021). Farmer social connectedness and market access: A case study of personal networks among emerging farmers. *Journal of Agriculture, Food Systems, and Community Development* 10(2): 1-23. <https://doi.org/10.5304/jafscd.2021.102.024>.
- Richardson, R. B.** (2021). The role of tourism in sustainable development. *Oxford Research Encyclopedia of Environmental Science*. Oxford University Press. <https://doi.org/10.1093/acrefore/9780199389414.013.387>.
- Richardson, R. B.** and S. Nicholls. (2021). Characterizing the cultural ecosystem services of coastal sand dunes. *Journal of Great Lakes Research* 47(2): 546-551. <https://doi.org/10.1016/j.jglr.2021.01.008>.
- Bessette, D., M. Ruttly, G. Gunn, V. Tarabara, and **R. Richardson**. (2021). The perceived risk of freshwater oil pipelines and spills in icy conditions. *Journal of Great Lakes Research* 47(1): 226-235. <https://doi.org/10.1016/j.jglr.2020.12.002>.
- Elegbede, O., J. Kerr, **R. Richardson**, and A. Sanou. (2021). Using a choice experiment to understand preferences for off-grid solar electricity attributes: The case of Nigerian households. *Energy for Sustainable Development* 60: 33-39. <https://doi.org/10.1016/j.esd.2020.12.001>.
- Scott¹, C. K. and **R. B. Richardson**. (2021). Ego network analysis among emerging farmers. *SAGE Research Methods Cases*. <https://www.doi.org/10.4135/9781529758146>.
- Silberg¹, T. R., K. Renner, L. S. Olabisi, **R. B. Richardson**, V. G. P. Chimonyo, M. Uriona-Maldonado, B. B. Basso, and C. Mwale. (2021). Modeling smallholder agricultural systems to manage *Striga* in the semi-arid tropics. *Agricultural Systems* 187: 103008. <https://doi.org/10.1016/j.agsy.2020.103008>.
- Vroegindewey¹, R., **R. B. Richardson**, K. Chung, V. Theriault and D. L. Ortega. (2021). Competitive advantage and processor demand for local and imported food ingredients: Analysis from an urban dairy market in West Africa. *Journal of Agribusiness in Developing and Emerging Economies* 11(2): 140-159. <http://doi.org/10.1108/JADEE-06-2020-0133>.
- Silberg¹, T. R., **R. B. Richardson**, and M. C. Lopez. (2020). Maize farmer preferences for intercropping systems to reduce *Striga* in Malawi. *Food Security* 12(2): 269-283. <https://doi.org/10.1007/s12571-020-01013-2>.
- Adebiyi¹, J. A., L. Schmitt Olabisi, **R. Richardson**, L. S. O. Liverpool-Tasie, and K. Delate. (2020). Drivers and constraints to the adoption of organic leafy vegetable production in Nigeria: A livelihood approach. *Sustainability* 12(1): 96. <https://doi.org/10.3390/su12010096>.

¹Graduate student supervised; ²Post-doctoral research associate supervised.

SELECTED PUBLICATIONS, *continued*

- Aminpour, P., S. A. Gray, **R. B. Richardson**, A. Singer, L. Castro, M. Schaefer, M. A. Ramlan, and N. R. Chikowore. (2020). Perspectives of scholars on the nature of sustainability: A survey study. *International Journal of Sustainability in Higher Education* 21(1): 34-53. <https://doi.org/10.1108/IJSHE-05-2019-0161>.
- Bro¹, A., D. Ortega, D. C. Clay, and **R. B. Richardson**. (2020). Understanding individuals' incentives for climate change adaptation in Nicaragua's coffee sector. *Climate and Development* 12(4): 332-342. <https://doi.org/10.1080/17565529.2019.1619506>.
- Silberg¹, T. R., V. G. P. Chimonyo, **R. B. Richardson**, S. S. Snapp, and K. Renner. (2019). Legume diversification and weed management in African cereal-based systems. *Agricultural Systems* 174: 83-94. <https://doi.org/10.1016/j.agsy.2019.05.004>.
- Grabowski, P., L. Schmitt Olabisi, J. Adebisi¹, K. Waldman², **R. B. Richardson**, L. Rusinamhodzi, and S. S. Snapp. (2019). Assessing adoption potential in a risky environment: The case of perennial pigeonpea. *Agricultural Systems* 171: 89-99. <https://doi.org/10.1016/j.agsy.2019.01.001>.
- Mulenga¹, B., S. Tembo, and **R. B. Richardson**. (2019). Electricity access and charcoal consumption among urban households in Zambia. *Development Southern Africa* 36(5): 585-599. <https://doi.org/10.1080/0376835X.2018.1517036>.
- Rutty, M. and **R. B. Richardson**. (2019). Tourism research in Cuba: Gaps in knowledge and challenges for sustainable tourism. *Sustainability* 11(12): 3340-3346. <https://doi.org/10.3390/su11123340>.
- Hockett¹, M. and **R. B. Richardson**. (2018). Examining the drivers of agricultural experimentation among smallholder farmers in Malawi. *Experimental Agriculture* 54(01): 45-65. <https://doi.org/10.1017/S0014479716000673>.
- Waldman², K. B. and **R. B. Richardson**. (2018). Confronting tradeoffs between agricultural ecosystem services and adaptation to climate change in Mali. *Ecological Economics* 150: 184-193. <https://doi.org/10.1016/j.ecolecon.2018.04.003>.
- Subakanya, M., G. Tembo and **R. B. Richardson**. (2018). Land use plans and wildlife-inflicted crop damage in Zambia's Game Management Areas. *Environments* 5(10): 110. <http://doi.org/10.3390/environments5100110>.
- Richardson, R. B.** and M. Suvedi. (2018). The potential for small-scale aquaculture in Cambodia. *Environments* 5(7): 76. <https://doi.org/10.3390/environments5070076>.
- Silberg¹, T., **R. B. Richardson**, M. Hockett¹, and S. S. Snapp. (2017). Maize-legume intercropping in Central Malawi: Determinants of practice. *International Journal of Agricultural Sustainability* 15(6): 662-680. <https://doi.org/10.1080/14735903.2017.1375070>.
- Silberg¹, T. R., M. C. Lopez, **R. B. Richardson**, T. P. Murphrey, G. Wingenbach, L. Lombardini, and T. Brown. (2017). Understanding social capital, networks, and institutions: A guide to support compost entrepreneurship for rural development. *Journal of Sustainable Development* 10(5): 71-84. <https://doi.org/10.5539/jsd.v10n5p71>.
- Mulenga¹, B. P., P. Hadunka, and **R. B. Richardson**. (2017). Rural households' participation in charcoal production in Zambia: Does agricultural productivity play a role? *Journal of Forest Economics* 26: 56-62. <https://doi.org/10.1016/j.jfe.2017.01.001>.
- Pearson, A. L., A. Rzotkiewicz, A. Zwickle, E. Mwita, and **R. B. Richardson**. (2017). Participatory mapping of environmental resources: A comparison of a Tanzanian pastoral community over time. *Land Use Policy* 69: 259-265. <https://doi.org/10.1016/j.landusepol.2017.09.020>.
- Ghimire¹, R., M. Suvedi, M. Kaplowitz, and **R. B. Richardson**. (2017). Competency assessment as a way of determining training and educational needs of extension professionals in Nepal. *Journal of International Agricultural and Extension Education* 24(2): 137-151. <https://doi.org/10.5191/jiaee.2017.24210>.
- Waldman², K. B., D. L. Ortega, **R. B. Richardson**, and S. S. Snapp. (2017). Estimating demand for perennial pigeon pea in Malawi using choice experiments. *Ecological Economics* 131: 222-230. <https://doi.org/10.1016/j.ecolecon.2016.09.006>.

¹Graduate student supervised; ²Post-doctoral research associate supervised.

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- Waldman², K. B., D. L. Ortega, **R. B. Richardson**, D. C. Clay, and S. Snapp. (2016). Preferences for legume attributes in maize-legume cropping systems in Malawi. *Food Security* 8(6): 1087-1099. <https://doi.org/10.1007/s12571-016-0616-4>.
- Mungai, L. M., S. S. Snapp, J. P. Messina, R. Chikowo, A. Smith, E. Anders, **R. B. Richardson**, and G. Li. (2016). Smallholder farms and the potential for sustainable intensification. *Frontiers in Plant Science: Agroecology and Land Use Systems* 7(1720): 1-17. <https://doi.org/10.3389/fpls.2016.01720>.
- Ortega, D. L., K. B. Waldman², **R. B. Richardson**, D. C. Clay, and S. Snapp. (2016). Sustainable intensification and farmer preferences for crop system attributes: Evidence from Malawi's Central and Southern Regions. *World Development* 87: 139–151. <https://doi.org/10.1016/j.worlddev.2016.06.007>.
- Holmes, T., J. M. Bowker, J. Englin, E. Hjerpe, J. B. Loomis, S. Phillips, and **R. B. Richardson**. (2016). A synthesis of the economic values of wilderness. *Journal of Forestry* 114(3): 320-328. <https://doi.org/10.5849/jof.14-136>.
- Hall, C. M., B. Amelung, S. Cohen, E. Eijgelaar, S. Gössling, J. Higham, R. Leemans, P. Peeters, Y. Ram, D. Scott, C. Aall, B. Abegg, J. E. Araña, S. Barr, S. Becken, R. Buckley, P. Burns, T. Coles, J. Dawson, R. Doran, G. Dubois, D. T. Duval, D. Fennell, A. M. Gill, M. Gren, W. Gronau, J. Guiver, D. Hopkins, E. H. Huijbens, K. Koens, M. Lamers, C. Lemieux, A. Lew, P. Long, F. Melissen, J. Nawijn, S. Nicholls, J.-H. Nilsson, R. Nunkoo, A. Pomeroy, A. Reis, D. Reiser, **R. B. Richardson**, C. M. Rogerson, J. Saarinen, A. D. Sæþórsdóttir, R. Steiger, P. Upham, S. van der Linden, G. Visser, G. Wall, and D. Weaver. (2015). Denying bogus skepticism in climate change and tourism research. *Tourism Management* 47: 352-356. <https://doi.org/10.1016/j.tourman.2014.08.009>.
- Hall, C. M., B. Amelung, S. Cohen, E. Eijgelaar, S. Gössling, J. Higham, R. Leemans, P. Peeters, Y. Ram, D. Scott, C. Aall, B. Abegg, J. E. Araña, S. Barr, S. Becken, R. Buckley, P. Burns, T. Coles, J. Dawson, R. Doran, G. Dubois, D. T. Duval, D. Fennell, A. M. Gill, M. Gren, W. Gronau, J. Guiver, D. Hopkins, E. H. Huijbens, K. Koens, M. Lamers, C. Lemieux, A. Lew, P. Long, F. Melissen, J. Nawijn, S. Nicholls, J.-H. Nilsson, R. Nunkoo, A. Pomeroy, A. Reis, D. Reiser, **R. B. Richardson**, C. M. Rogerson, J. Saarinen, A. D. Sæþórsdóttir, R. Steiger, P. Upham, S. van der Linden, G. Visser, G. Wall, and D. Weaver. (2015). No time for smokescreen skepticism: A rejoinder to Shani and Arad. *Tourism Management* 47: 341-347. <https://doi.org/10.1016/j.tourman.2014.08.008>.
- Árvai, J., D. Kellon¹, R. León, R. Gregory, and **R. B. Richardson**. (2014). Structuring international development decisions: Confronting tradeoffs between land use and community development in Costa Rica. *Environmental Systems and Decisions* 34(2): 224-236. <https://doi.org/10.1007/s10669-014-9495-4>.
- Mulenga¹, B., **R. B. Richardson**, G. Tembo, and L. Mapemba. (2014). Rural household participation in markets for non-timber forest products in Zambia. *Environment and Development Economics* 19(04): 487-504. <https://doi.org/10.1017/S1355770X13000569>.
- Zulu, L. and **R. B. Richardson**. (2013). Charcoal, livelihoods, and poverty reduction: Evidence from sub-Saharan Africa. *Energy for Sustainable Development* 17(2): 127-137. <https://doi.org/10.1016/j.esd.2012.07.007>.
- Richardson, R. B.**, D. Kellon¹, R. Leon, and J. L. Árvai. (2013). Using choice experiments to understand household tradeoffs regarding pineapple production and environmental management in Costa Rica. *Journal of Environmental Management* 127: 308-316. <https://doi.org/10.1016/j.jenvman.2013.05.043>.
- Mshenga, P. M. and **R. B. Richardson**. (2013). Micro and small enterprise participation in tourism in coastal Kenya. *Small Business Economics* 41(3): 667-681. <https://doi.org/10.1007/s11187-012-9449-5>.
- Richardson, R. B.**, A. Fernandez¹, D. Tschirley, and G. Tembo. (2012). Wildlife conservation in Zambia: Impacts on rural household welfare. *World Development* 40(5): 1068-1081. <https://doi.org/10.1016/j.worlddev.2011.09.019>.
- Mshenga, P. M., **R. B. Richardson**, B. K. Njehia, and E. A. Birachi. (2011). Antecedents to Kenyan coast hotels' purchases of agricultural products. *International Journal of Hospitality & Tourism Systems* 4(2): 12-20.

¹Graduate student supervised; ²Post-doctoral research associate supervised.

SELECTED PUBLICATIONS, *continued*

- Richardson, R. B.** (2010). Ecosystem services and food security: Economic perspectives on environmental sustainability. *Sustainability* 2(11): 3520-3548. <https://doi.org/10.3390/su2113520>.
- Richardson, R. B.** and K. Witkowski¹. (2010). Economic vulnerability to climate change for tourism-dependent nations. *Tourism Analysis* 15(3): 315-330. <https://doi.org/10.3727/108354210X12801550666105>.
- Bailey¹, E. B. and **R. B. Richardson**. (2010). A new economic framework for tourism decision making. Special issue: Beyond the boundary: Creating new epistemologies in tourism. *Tourism and Hospitality Research* 10(4): 367-376. <https://doi.org/10.1057/thr.2010.14>.
- Mshenga, P. M., **R. B. Richardson**, B. K. Njehia, and E. A. Birachi. (2010). The contribution of tourism to micro and small enterprise growth. *Tourism Economics* 16(4): 953-964. <https://doi.org/10.5367/te.2010.0018>.
- Richardson, R. B.**, J. Loomis, and S. Weiler. (2006). Recreation as a spatial good: Distance effects on changes in recreation visitation and benefits. *Review of Regional Studies* 36(3): 362-380. <http://journal.srsa.org/ojs/index.php/RRS/article/view/129/79>.
- Loomis, J. B. and **R. B. Richardson**. (2006). An external validity test of intended behavior: Comparing revealed preference and intended visitation in response to climate change. *Journal of Environmental Planning and Management* 49(4): 621-630. <https://doi.org/10.1080/09640560600747562>.
- Gossling, S., P. Peeters, J.-P. Ceron, G. Dubois, T. Patterson, and **R. Richardson**. (2005). The eco-efficiency of tourism. *Ecological Economics* 54(4): 417-434. <https://doi.org/10.1016/j.ecolecon.2004.10.006>.
- Richardson, R. B.** and J. B. Loomis. (2005). Climate change and recreation benefits in an alpine national park. *Journal of Leisure Research* 37(3): 307-20. <https://doi.org/10.1080/00222216.2005.11950055>.
- Richardson, R. B.** and J. B. Loomis. (2004). Adaptive recreation planning and climate change: A contingent visitation approach. *Ecological Economics* 50(1): 83-99. <https://doi.org/10.1016/j.ecolecon.2004.02.010>.
- Weiler, S. A., J. B. Loomis, **R. B. Richardson**, and S. A. Schwiiff. (2002). Driving regional economic models with a statistical model: Possibilities for hypothesis tests on economic impacts. *Review of Regional Studies* 32(1): 97-111. <http://journal.srsa.org/ojs/index.php/RRS/article/view/32.1.7/259>.
- Loomis, J. B. and **R. B. Richardson**. (2001). Economic values of protecting wilderness areas in the United States. *International Journal of Wilderness* 7(1): 31-34. <https://ijw.org/april-2001/>.

Works in Progress

- Djenontin, I. N. S., L. C. Zulu, and R. B. Richardson. 2021. Farmers' forest landscape restoration in sub-Saharan Africa: Evidence from Central Malawi. Submitted.
- Olabisi, M. and R. B. Richardson. 2021. Why the poor pay higher energy prices: Evidence from Tanzania. Submitted.
- Olabisi, M., R. B. Richardson, and A. O. Adelaja. 2021. The next global crisis: Africa's renewable energy financing gap. Submitted.

Books and Book Chapters

- Richardson, R. B., L. Schmitt Olabisi, K. B. Waldman², N. Sakana², and N. Brugnone¹. (2020) Using participatory system dynamics modeling of agricultural-environmental systems in a developing country context. In: *Innovations in Collaborative Modeling*, L. Schmitt Olabisi, M. McNall, W. Porter, and J. Zhao, eds. East Lansing, MI: Michigan State University Press.
- Richardson, R. B. (2020). Watersheds at the nexus. In: *The Food-Energy-Water Nexus* (Ch. 19, pp. 525-551), P. Saundry and B. L. Ruddell, eds. Cham, Switzerland: Springer Nature.
- Kinne, B., D. Magee, B. A. McCarl, R. Mohtar, R. B. Richardson, B. L. Ruddell, P. Saundry, and L. Treemore-Spears. (2020). Opportunities at the nexus. In: *The Food-Energy-Water Nexus* (Ch. 21, pp. 587-611), P. Saundry and B. L. Ruddell, eds. Cham, Switzerland: Springer Nature.

¹Graduate student supervised; ²Post-doctoral research associate supervised.

SELECTED PUBLICATIONS, *continued*

- Oh, C.-O., R. B. Richardson, and G. Lacher. (2015). Economic decision making in leisure and recreation. In *Leisure Matters: The State and Future of Leisure Studies* (Ch. 3, pp. 17-24), G. Walker, D. Scott, and M. Stodolska, eds. State College, PA: Venture Publishing.
- Richardson, R. B. (editor). (2013). *Building a Green Economy: Perspectives from Ecological Economics*. East Lansing, MI: Michigan State University Press.
- Richardson, R. B. (2013). Building a green economy: The case for an economic paint job. In *Building a Green Economy: Perspectives from Ecological Economics* (Ch. 1, pp. 3-18), R. B. Richardson, ed. East Lansing, MI: Michigan State University Press.
- Bessette¹, D. L. and R. B. Richardson. (2013). Evolutions in methods and technology for research in pro-environmental behavior. In *Building a Green Economy: Perspectives from Ecological Economics* (pp.295-312), R. B. Richardson, ed. East Lansing, MI: Michigan State University Press.
- Czech, B. and R. B. Richardson. (2011). The economics of cumulative effects: Ecological and macro by nature. In *Cumulative Effects in Wildlife Management: Impact Mitigation* (pp. 65-82), P. R. Krausman and L. K. Harris, eds. Boca Raton, FL: CRC Press, Taylor & Francis.
- Richardson, R. B. (2008). Conceptualizing the value of ecosystem services in deserts. In *Creating Sustainability Within Our Midst: Challenges for the 21st Century* (pp. 225-248), R. L. Chapman, ed. New York: Pace University Press.
- Richardson, R. B. (2007). Economic development in Belize: Two steps forward, two steps back. In *Taking Stock: Belize at 25 Years of Independence*. B. S. Balboni and J. O. Palacio, eds. Benque Viejo del Carmen, Belize: Cubola Productions.
- Richardson, R. B. and J. B. Loomis. (2005). Effects of climate change on tourism demand and benefits in alpine areas. In *Tourism, Recreation, and Climate Change*, (pp. 164-180), C. M. Hall and J. E. Higham, eds. Clevedon, U.K.: Channel View Publications.

Research Reports

- Merchant¹, C., L. Cooper, D. Brown, A. Downtin, and R. B. Richardson. (2020). Carbon Accounting Estimates for the Michigan State University Sustainable Wood Recovery Initiative. October 2020. East Lansing, MI: Michigan State University.
- Vroegindewey¹, R., R. B. Richardson, and V. Thériault. (2020). Analysis of the determinants of milk producers' participation in output markets. Feed the Future Innovation Lab for Food Security Policy [Research Paper 178](#). July 2020. East Lansing, MI: Michigan State University.
- Lamore, R., R. Auras, A. Butler, C. Carignan, L. Dyga, E. Jodoin, S. Joshi, M. Mahmoudi, R. Richardson, A. Schneider, S. Selke, and V. Verter. (2020). Building a more sustainable economy in Michigan: Priority actions for supporting an extended producer and circular economy. EPR/Circular Economy White Paper. Lansing, MI: MSU Center for Community and Economic Development.
- Athnos¹, A. R. and R. B. Richardson. (2020). The impact of water quality and time-of-sale regulations on residential property values in Michigan. Report to Michigan Realtors[®]. January 2020. Lansing, MI: Michigan Realtors[®].
- Arbogast, A. F., R. B. Richardson, and T. Zimmicki. (2020). Learning to live in dynamic dunes. [Report](#) to Coastal Management Program, Office of the Great Lakes. January 2020. Lansing, MI: Michigan Department of Environment, Great Lakes, and Energy.
- Vroegindewey¹, R., V. Thériault, R. Richardson, and K. Chung. (2019). What drives food processor use of local versus imported inputs? Evidence from the Malian dairy sector. Feed the Future Innovation Lab for Food Security Policy [Research Paper 147](#). August 2019. East Lansing, MI: Michigan State University.
- Vroegindewey¹, R., R. B. Richardson, D. Ortega, and V. Thériault. (2019). Consumer and retailer preferences for local dairy products: Evidence from stacked choice experiments in urban Mali. Feed the Future Innovation Lab for Food Security Policy [Research Paper 134](#). June 2019. East Lansing, MI: Michigan State University.

¹Graduate student supervised; ²Post-doctoral research associate supervised.

SELECTED PUBLICATIONS, *continued*

- Richardson, R. B. (2019). Africa RISING Global Climate Change Mitigation (Zambia). [Final Report](#). Ibadan, Nigeria: International Institute of Tropical Agriculture.
- Richardson, R. B. and N. Brugnone¹. (2018). Oil spill economics: Estimates of the economic damages of an oil spill in the Straits of Mackinac in Michigan. Report to FLOW (For Love of Water). Traverse City, MI: FLOW.
- Arbogast, A. F., B. Garmon, E. S. Isley, J. Jarosz, A. Kreiger, S. Nicholls, C. Queen, and R. B. Richardson. (2018). Valuing Michigan's coastal dunes: GIS information and economic data to support management partnerships. [Report](#) to Coastal Zone Management Program, Office of the Great Lakes. August 2018. Lansing, MI: Michigan Department of Environmental Quality.
- Richardson, R. B., M. Suvedi, M. Kaplowitz, S. Mith, and S. Bora. (2016). Cambodia HARVEST aquaculture program evaluation. Project report. January 2016. Phnom Penh, Cambodia: United States Agency for International Development.
- Richardson, R. B., L. Schmitt Olabisi, N. Sakana², K. B. Waldman², and P. Grabowski². (2015). Impact of sustainable intensification on landscapes and livelihoods. Project report. August 2015. Washington, DC: United States Agency for International Development.
- Rogé, P., S. S. Snapp, R. B. Richardson, L. Schmitt Olabisi, B. Basso, J. Messina, B. Peter, K. Waldman², P. Grabowski, J. Adebisi, L. Liu, E. Weltzien, and S. Cox. (2015). Perennial grain crops for African smallholder farming systems. Report to the Bill and Melinda Gates Foundation. East Lansing: Michigan State University. Available at: <http://pgrainsforafrica.psm.msu.edu/>.
- Hockett, M., A. Smith, S. Snapp, R. Chikowo, and R. Richardson. (2014). Africa RISING farming systems analysis baseline report. Project report. East Lansing, MI: Michigan State University.
- Kerr, J. M., M. Lautenberger, K. Groble, and R. B. Richardson. (2013). Using fee reduction to promote agricultural soil and water conservation: An application to Michigan drain commissioners. Report for Great Lakes Watershed Ecological Sustainability Strategy Phase II: Payments for Agricultural Ecosystem Services.
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¹Graduate student supervised; ²Post-doctoral research associate supervised.

SELECTED PUBLICATIONS, *continued*

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- Nkonde¹, C., T. Jayne, R. B. Richardson, and F. Place. (2015). Testing the farm size-productivity relationship over a wide range of farm sizes: Should the relationship be a decisive factor in guiding agricultural development and land policies in Zambia? 2015 World Bank Conference on Land and Poverty, March 23, 2015, The World Bank, Washington, DC. <https://doi.org/10.13140/RG.2.1.2407.6323>
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- Richardson, R. B. (2003). Measuring the effects of climate change on recreation demand and benefits. In Murdy, J.J. (ed.), Proceedings of the 2003 Northeastern Recreation Research Symposium. April 6-8, 2003, Bolton Landing, NY. General Technical Report NE-317. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northeastern Research Station.

¹Graduate student supervised; ²Post-doctoral research associate supervised.

SELECTED PUBLICATIONS, *continued**Book Reviews*

- Richardson, R. B. (2018). Book Review: *Worst-Case Economics: Extreme Events in Climate and Finance*, by F. Ackerman. Anthem Press, New York, NY, USA (2017), 208 pp. ISBN: 978-1783087075. *Ecological Economics* 150: 361-362. <https://doi.org/10.1016/j.ecolecon.2018.04.018>.
- Richardson, R. B. (2017). Book Review: *Pursuing Sustainability: A Guide to the Science and Practice*, by P. Matson, W. C. Clark, and K. Andersson. Princeton University Press, Princeton, NJ, USA (2016), 248 pp. ISBN: 978-0691157610. *Ecological Economics* 131: 584-585. <https://doi.org/10.1016/j.ecolecon.2016.08.031>
- Silberg¹, T. and R. B. Richardson. (2015). Book Review: *Balancing on a Planet: The Future of Food and Agriculture*, by D. A. Cleveland. University of California Press, Berkeley, CA, USA (2014). 352 pp. ISBN: 978-0520277427. *Agricultural Systems* 135: 141-142. <https://doi.org/10.1016/j.agsy.2015.01.001>

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Commentary, Editorial, and Blog Essays

- Tarabara, V., D. Bessette, R. Richardson, G. Gunn, and M. Ruty. (2020). Oil flow beneath ice in the Great Lakes: an update. [Michigan Policy Wonk, February 14, 2020](#).
- Richardson, R. B. (2019). ‘Environmental footprints’ tend to underestimate resource use. [Undark, August 6, 2019](#).
- Richardson, R. B. (2019). Resource depletion is a serious problem, but ‘footprint’ estimates don’t tell us much about it. [The Conversation, July 24, 2019](#).
- Brugnone¹, N. G. and R. B. Richardson. (2018). Line 5 threatens the Great Lakes. [Lansing State Journal, December 9, 2018](#).
- Richardson, R. B. (2018). Yes, humans are depleting Earth’s resources, but ‘footprint’ estimates don’t tell the full story. [The Conversation, July 30, 2018](#).
- Richardson, R. B. and N. G. Brugnone¹. (2018). Need a reason to care about a Line 5 spill? Here’s 6 billion of them. [Bridge, May 28, 2018](#). Ann Arbor, MI: The Center for Michigan.
- Richardson, R. B. and N. G. Brugnone¹. (2018). An oil spill from Line 5 would devastate our economy. [Lansing State Journal, May 17, 2018](#).
- Richardson, R. B. (2018). Neoliberalism and the erosion of science in environmental policy. [Future U, May 7, 2018](#).
- Richardson, R. B. (2017). Trump’s attack on science isn’t going very well. [The Washington Post, August 10, 2017](#).

¹Graduate student supervised; ²Post-doctoral research associate supervised.

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- Richardson, R. B. (2017). Dismissed from an EPA board, an MSU economist fears for agency's and planet's, future. [Bridge, May 12, 2017](#). Ann Arbor, MI: The Center for Michigan.
- Richardson, R. B. and C. Flint. (2016). Bringing insights from social science to environmental science and policy. [The EPA Blog, October 26, 2016](#).
- Richardson, R. B. (2015). Correcting the books with the Genuine Progress Indicator. [ecotrope, February 20, 2015](#).
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Media Appearances and References

- "2021's Greenest Cities in America," [WalletHub](#), October 6, 2021.
- "Reality check: Line 5 threatens more jobs than it sustains," [Canada's National Observer](#), March 18, 2021.
- "'The Earth has a deadline': The value of sustainability and how to incorporate it into your daily life," [The State News](#), October 29, 2020.
- "Earth Overshoot Day' is this week," by Susan Shain and John Schwartz, [Climate Fwd: The New York Times](#), August 19, 2020.
- "Oil flow beneath ice in the Great Lakes," by Cynthia Kyle and Caroline Brooks, [MSU Today](#), February 26, 2020.
- "Sand dune enthusiasts flock to Lansing," by Helen Korneffel, [City Pulse](#), October 2, 2019.
- "Can brands bring real sustainability to the travel industry?: An ecological economist says it doesn't have to be a zero-sum game," by Ryan Barwick, [Adweek](#), August 28, 2019.
- "Day that measures consumption of resources moving earlier," by Ray García, [WKAR](#), August 5, 2019.
- "Michiganders worried about Line 5 spill into Mackinac Straits, MSU research finds," by Russ White, [WKAR](#), February 22, 2019.
- "Economic loss from Line 5 oil spill could reach \$45 billion, study says," by Michael Kransz, [MLive](#), November 20, 2018.
- "How Fast Is Our Goose Being Cooked?," [GrowthBusters](#) podcast, Episode 18, September 20, 2018.
- "New Study says Line 5 Oil Spill could cost Michigan 6 billion dollars," [Great Lakes Now](#), Detroit Public Television, May 8, 2018.
- "Study predicts major Mackinac Straits oil pipeline leak would cost state economy billions," [Michigan Radio](#), May 2, 2018.
- "Study Shows More Than \$6 Billion Impact, Line 5 Oil Spill," [WWUP-TV 9&10 News](#), May 2, 2018.
- "An environment without ethics?," [The World Weekly](#), April 12, 2018.
- "Dune fans include stormwatchers, ecologists, campers, economists," [Great Lakes Echo](#), January 8, 2018.
- "Survey: dune supporters include stormwatchers, ecologists, campers, economists," [Capital News Service](#), December 8, 2017.
- "Valuable dunes need to be protected, experts say," [The Herald-Palladium](#), November 10, 2017.
- "Climate change at EPA," [Lansing City Pulse](#), June 21, 2017.
- "Former EPA board member sees dismissals as sign of wrong direction for country," by Haley Herzog, [WLNS 6 News](#), May 10, 2017.
- "Scientist Reacts To His Dismissal From EPA Scientific Board," [Here & Now, WBUR](#), May 9, 2017.
- "EPA dismisses half of key board's scientific advisers; Interior suspends more than 200 advisory panels", by Juliet Eilperin and Brady Dennis, [The Washington Post](#), May 8, 2017.
- "MSU conference explores need for greater international cooperation to protect vital global watersheds," by Russ White, [MLive, November 25, 2015](#).
- "Climate change could cost Belize hundreds of millions if we do nothing: UNDP Report," [AMANDALA Belize, July 30, 2009](#).
- "Tourism stakeholders absent on climate change decisions," *The Reporter* (Belize), September 23, 2007.

¹Graduate student supervised; ²Post-doctoral research associate supervised.

SELECTED PRESENTATIONS*Invited Presentations*

- “Global food security: The synergistic nature of conflict, climate, and crisis,” Jefferson Science Fellows Distinguished Lecture Series, National Academies of Sciences, Engineering and Medicine, Washington, DC, June 29, 2021.
- “Estimates of the economic damages of an oil spill in the Straits of Mackinac,” Canadian Studies Center, Michigan State University, March 10, 2021.
- “Confronting tradeoffs between agricultural ecosystem services and adaptation to climate change in Mali,” with Kurt B. Waldman, seminar series, Department of Agricultural and Resource Economics, University of Tennessee, Knoxville, Tennessee, September 19, 2019.
- “Ecological economics: Visions of utopia and dystopia,” invited presentation for the panel session, Utopia/Dystopia: Imagining the Best and Worst Places to Be, Sharper Focus, Wider Lens Series, MSU Honors College, Michigan State University, September 16, 2019.
- “Do we need an ecological economics? Retrospective and propositions,” Presidential Address, U.S. Society for Ecological Economics, Louisville, Kentucky, August 14, 2019.
- “Resilience in global food systems: what does it look like?,” with R. Carter and B. Irwin. Association for International Agriculture and Rural Development annual meeting, Washington, DC, June 3, 2019.
- “Winter lake oil spills: Risk perception, detection, and remediation,” with D. Bessette and V. Tarabara, IPPSR Public Policy Forum, Institute for Public Policy and Social Research, Lansing, Michigan, April 17, 2019.
- “Energy security and sustainable livelihoods for southern Africa,” Institute for African Development Seminar Series, Cornell University, Ithaca, New York, September 6, 2018.
- “Estimating demand for perennial pigeon pea in Malawi using choice experiments,” MiND Research Colloquium, International Crops Research Institute for the Semi-Arid Tropics, Nairobi, Kenya, July 24, 2018.
- “Neoliberalism and the erosion of science in environmental policy,” Friday Forum on Neoliberalism & Public Higher Education, Michigan State University, April 13, 2018.
- “Integration of social sciences in environmental health research,” with Courtney Flint, U.S. Environmental Protection Agency, Office of Research and Development, Research Triangle Park, North Carolina, October 4-5, 2016.
- “Social and behavioral sciences: Contributions to environmental policy and practice,” with C. Flint, U.S. Environmental Protection Agency, Office of Policy, Washington, DC, September 9, 2016.
- “Participatory system dynamics modeling: A tool for prioritizing climate-smart agriculture investments,” with L. Schmitt Olabisi, Agrilinks webinar, U.S. Agency for International Development, <https://agrilinks.org/>, June 16, 2016.
- “Connecting the dots with data: Participatory systems modeling of landscape-scale impacts of sustainable intensification in Zambia,” Seminar Series, International Food Policy Research Institute, Washington, DC, April 21, 2016.
- “Food, energy, water and abundance: Cross-border governance and protection of the great waters of the world,” Fate of the Earth Symposium, Environmental Science and Policy Program, Michigan State University, April 7, 2016.
- “Integrating research and teaching in global sustainable development,” seminar series, Department of Sustainable Development, Appalachian State University, Boone, North Carolina, October 14, 2015.
- “Estimating demand for perennial pigeon pea in Malawi using choice experiments,” seminar series, Department of Economics, Appalachian State University, Boone, North Carolina, October 9, 2015.
- “Rural household participation in markets for non-timber forest products in Zambia,” with B. P. Mulenga, Hanover Seminar Series, Department of Forestry, Michigan State University, December 3, 2013.
- “Understanding household tradeoffs regarding pineapple production and environmental management in Costa Rica,” School of Environment and Natural Resources Seminar Series, The Ohio State University, Columbus, OH, November 14, 2013.

SELECTED PRESENTATIONS, *continued*

- “Building resilience and adaptive capacity for water and food security,” Water, Food Security, and the Developing Global Crisis Conference, United Nations 68th Anniversary Program, Michigan State University, October 29, 2013.
- “Woodfuels, livelihoods, and food security: Evidence from sub-Saharan Africa,” Sustainable Energy for Sustainable Development Conference, United Nations 67th Anniversary Program, Michigan State University, October 22, 2012.
- “Seeing the forest for the fuel and food: Non-timber forest products and rural development in Zambia,” Brown Bag Seminar Series, Department of Agricultural, Food and Resource Economics, Michigan State University, April 10, 2012.
- “Seeing the forest for the fuel and food: Rural poverty and forest sustainability in sub-Saharan Africa,” invited presentation for the International Resource Industries and Sustainability Institute seminar series, University of Calgary, Calgary, Alberta, Canada, February 29, 2012.
- “The economic value of wilderness,” invited presentation for the panel session, Confronting Wilderness: Human Interactions with Nature, Sharper Focus, Wider Lens Series, MSU Honors College, Michigan State University, January 30, 2012.
- “Measuring the effects of natural resource conservation policies on household Welfare,” Brown Bag Seminar Series, Department of Agricultural, Food and Resource Economics, Michigan State University, November 10, 2009.
- “Climate change and the costs of inaction: Issues for human development,” Center for the Advanced Study of International Development Seminar Series, Michigan State University, November 6, 2009.
- “Tourism and climate change: Vulnerability and adaptation,” Third International Conference on Responsible Tourism, International Centre for Responsible Tourism, Belmopan, Belize, October 20, 2009.
- “Tourism and wildlife conservation in Africa: Measuring the impacts to rural households,” Brown Bag Seminar Series, Department of Agricultural, Food and Resource Economics, Michigan State University, November 18, 2008.
- Commencement address, commencement ceremony, Galen University, San Ignacio, Belize, October 4, 2008.
- “Wildlife conservation and rural development in Zambia,” Seminar Series, Department of Agricultural and Resource Economics, Colorado State University, Fort Collins, CO, September 24, 2008.
- “Sustainable development and food security: The African context,” invited panelist, 16th Review Session of the UN Commission on Sustainable Development, United Nations Headquarters, New York, NY, May 9, 2008.
- “Socioeconomic vulnerability to climate change: Communities along the Mesoamerican Barrier Reef,” Center for Latin American and Caribbean Studies, Michigan State University, November 28, 2007.
- “Climate change and ecotourism: Challenges and opportunities,” North American Ecotourism Conference, The International Ecotourism Society, Madison, WI, September 27, 2007.
- “Economic development in Belize: Achievements, setbacks, and opportunities,” colloquium entitled, “Taking Stock: A Look Back and A Look Forward,” Belize City, Belize, September 18, 2007.
- “Climate change in Belize: Vulnerability of the tourism sector” Climate Change and Tourism workshop. Belize City, Belize, September 17, 2007.
- “Community-based resource management in coastal communities,” Workshop on Coastal Community Vulnerability and Adaptation, Mainstreaming Adaptation to Climate Change, Belize City, Belize, February 2006.
- “The economic vulnerability to climate change in Belize,” Regional Symposium on Information Sharing in Climate Change and Sustainable Development, CARICOM Climate Change Centre, Belmopan, Belize, September 2005.
- “The effects of climate change on mountain tourism,” UN World Tourism Organization, International Conference on Climate Change and Tourism, Djerba, Tunisia, April 2003.

SELECTED PRESENTATIONS, *continued**Presentations at Academic and Professional Conferences*

- “Meet the Cities’ COVID Mitigation Mapping (C2M2) initiative, with M. Laituri and L. Cline, annual meeting of the American Association of Geographers, Virtual, April 9, 2021.
- “Energy security and sustainable livelihoods in southern Africa,” biennial meeting of the U.S. Society for Ecological Economics, Louisville, Kentucky, August 13, 2019.
- “Energy security and sustainable livelihoods for southern Africa,” Forests & Livelihoods: Assessment, Research, and Engagement (FLARE) Network, 4th Annual Meeting, Copenhagen, Denmark, October 17, 2018.
- “Confronting tradeoffs between agricultural ecosystem services and adaptation to climate change in Mali,” with Kurt B. Waldman, biennial meeting of the International Society for Ecological Economics, Puebla, Mexico, September 10, 2018.
- “Energy security and sustainable livelihoods for southern Africa,” Evidence to Action 2018 conference, International Centre for Evaluation and Development, Nairobi, Kenya, July 26, 2018.
- “Characterizing the uses and values of freshwater coastal dunes,” International Association for Great Lakes Research, Toronto, Ontario, June 21, 2018.
- “Characterizing ecosystem services of freshwater coastal dunes,” biennial meeting of the U.S. Society for Ecological Economics, Saint Paul, Minnesota, July 27, 2017.
- “Using participatory system dynamics modeling of agricultural-environmental systems in a developing country context,” with Laura Schmitt Olabisi, Innovations in Collaborative Modeling conference, East Lansing, MI, June 14, 2016.
- “Estimating demand for perennial pigeon pea in Malawi using choice experiments,” with Kurt Waldman, Joint meeting of the Canadian and U.S. Societies for Ecological Economics, Vancouver, British Columbia, October 2, 2015.
- “Searching for sustainable intensification of agriculture: Implications for landscapes and livelihoods,” Joint meeting of the Canadian and U.S. Societies for Ecological Economics, Vancouver, BC, October 2, 2015.
- “The economic benefits of wilderness: Transforming the debate,” National Wilderness Conference, Albuquerque, NM, October 17, 2014.
- “Participatory approaches for enhancing rural food security and community resilience,” Resilience 2014 – Resilience and Development: Mobilizing for Transformation, Montpellier, France, May 6, 2014.
- “Climbing down the energy ladder: Biophysical limitations of expanded wood fuel use in sub-Saharan Africa,” biennial meeting of the U.S. Society for Ecological Economics, Burlington, VT, June 12, 2013.
- “Rural development and non-timber forest products: Perspectives on poverty alleviation,” International Symposium on Society and Resource Management, Edmonton, Alberta Canada, June 18, 2012.
- “The impact of wildlife conservation on rural development in Zambia,” with A. Fernandez and D. L. Tschirley, Regional Science Association International, San Francisco, CA, November 19, 2009.
- “The impact of wildlife conservation on rural welfare in Zambia,” biennial meeting of the U.S. Society for Ecological Economics, Washington, DC, June 1, 2009.
- “Market and trade reform for adaptation to climate change,” biennial meeting of the International Society for Ecological Economics, Nairobi, Kenya, August 8-11, 2008.
- “Sustainable tourism and natural resources: Distribution of economic benefits,” International Symposium on Society and Resource Management, Burlington, VT, June 13, 2008.
- “Charcoal and fuelwood production in Zambia: Implications for poverty reduction,” 54th Annual North American Meetings of the Regional Science Association International, Savannah, GA, November 8, 2007.
- “Valuing ecosystem services in deserts,” biennial meeting of the U.S. Society for Ecological Economics, New York, NY, June 26, 2007.
- “Assessing economic vulnerability to climate change: A conceptual framework for developing countries,” Center for Natural Resource Economics & Policy, 2nd National Forum on Research in Coastal Systems, New Orleans, LA, May 21, 2007.

SELECTED PRESENTATIONS, *continued*

- “Economic vulnerability to climate change for tourism-dependent nations,” Sir Arthur Lewis Institute of Social & Economic Studies (SALISES), University of West Indies, 8th Annual Conference, Crisis, Chaos and Change: Caribbean Development Challenges for the 21st Century. Trinidad, March 2007.
- “The economic vulnerability of mountain communities to climate change,” biennial meeting of the U.S. Society for Ecological Economics, Saratoga Springs, NY, May 2003.
- “Measuring the effects of climate change on recreation demand and benefits,” Northeastern Recreation Research Symposium, Bolton Landing, NY, April 2003.
- “Measuring the impact of resource changes on visitation at national parks,” Rocky Mountain National Park Research Conference, Estes Park, CO, April 2002.
- “A contingent behavior methodology for estimating the effects of climate change on ecotourism,” biennial meeting of the International Society for Ecological Economics, Sousse, Tunisia, March 2002.
- “The impact of climate change and population growth on visitation at Rocky Mountain National Park: A comparative risk analysis,” inaugural meeting of the U.S. Society for Ecological Economics, Duluth, MN, July 2001.
- “Comprehensive analysis of the economic benefits of wilderness,” biennial meeting of the International Society for Ecological Economics, Canberra, Australia, July 2000.
- “Economic values of protecting roadless areas in the United States,” presented at the 2000 California Wilderness Conference, Sacramento, CA, May 2000.

Posters Presented at Academic and Professional Conferences

- Vroegindewey, R., V. Theriault, R. B. Richardson, and K. Chung. 2018. The “Hidden Middle” of Dairy Value Chains: An Organizational Economics Analysis of Processor Strategies in Mali. Disruptive Innovations, Value Chains, and Rural Development [conference poster](#), ICABR/The World Bank, Washington, DC, June 13–14, 2018.
- Richardson, R. B., A. Chapoto, C. Jumbe, J. Kamoto, J. Kazembe, E. Kuntashula, S. Makungwa, P. Nzokou, and L. Zulu. 2017. Energy Security for Sustainable Livelihoods in Southern Africa. Michigan State University Alliance for African Partnership, Launch Conference, Dar es Salaam, Tanzania, July 18, 2017.
- Richardson, R. B., L. Schmitt Olabisi, K. B. Waldman, and N. Sakana. 2017. Modeling the Impact of Sustainable Intensification on Landscapes and Livelihoods. Biennial meeting of the U.S. Society for Ecological Economics, Saint Paul, Minnesota, July 27, 2017.
- Jordan, C. and R. B. Richardson. 2015. Exploring the Linkages Between Energy and Food Security for Women Farmers in Malawi. University Undergraduate Research and Arts Forum, Michigan State University, East Lansing, MI, November 19, 2015.
- Luzadis, V. A., K. Bagstad, J. Erickson, M. J. Fox, L. Krall, R. Richardson, L. Schmitt Olabisi, M. R. Shammin and W. Lash Marshall. 2013. An Ecological Economics Agenda for Inquiry: Transforming the Economy for a Just and Sustainable World. Biennial meeting of the U.S. Society for Ecological Economics, Burlington, VT, June 9-12, 2013.

Outreach Presentations

- “Learning to live in dynamic dunes: Conceptualizing the values of Michigan’s freshwater coastal dunes,” The Stewardship Network, East Lansing, Michigan, January 17, 2020.
- “Conceptualizing the values of Michigan’s freshwater coastal dunes,” Michigan Coastal Dunes Symposium: Learning to Live in Dynamic Dunes, Lansing, Michigan, October 3, 2019.
- “Conceptualizing the values of Michigan’s freshwater coastal dunes,” Our Common Ground, Hastings, Michigan, May 30, 2019.
- “Dune science and the conservation of Michigan's coastal sand dunes,” MSU Science Festival, East Lansing, Michigan, April 7, 2018.
- “Characterizing the uses and values of freshwater coastal dunes,” Michigan Department of Environmental Quality, Lansing, Michigan, February 27, 2018.

SELECTED PRESENTATIONS, *continued*

- “Characterizing the uses and values of freshwater coastal dunes,” Michigan Department of Environmental Quality, Walker, Michigan, December 6, 2017.
- “Characterizing the uses and values of freshwater coastal dunes,” Preserve the Dunes and Southwest Michigan Planning Commission, St. Joseph, Michigan, October 9, 2017.
- “Characterizing the range of uses and values of freshwater coastal dunes,” Michigan Environmental Council, Freshwater Dune Summit, Muskegon, Michigan, May 8, 2017.
- “Examining assumptions about Climate-Smart Agriculture with participatory modeling: Field-scale practices to landscape-level impacts,” Feed the Future Global Learning and Evidence Exchange: Climate-Smart Agriculture. USAID Zambia, Lusaka, Zambia, March 15, 2016.
- “Measuring genuine progress in Michigan,” Regional Prosperity Dashboard Meeting, Lansing Economic Area Partnership, Lansing, Michigan, June 10, 2014.
- “Climate change and tourism systems: Implications for the Great Lakes Region,” Minnesota Sea Grant, University of Minnesota-Duluth. Duluth, Minnesota, October 26, 2013.
- “Where do we go from here to achieve greater balance between our economic, social, and environmental systems?”, Re-Imagining our Economic System: A Balanced and Sustainable Economy, MSU Center for Community and Economic Development, Michigan State University, March 26, 2013.
- “Tourism and economic development: The World Park context,” Pohnpei Economic Conference, Government of Pohnpei, Federated States of Micronesia, May 13, 2010.
- “The impacts of wildlife conservation policies on rural welfare in Zambia,” Outreach Forum on Natural Resource Management and Rural Development in Zambia, Food Security Research Project, Lusaka, Zambia, December 3, 2009.
- “Economic values of coastal resources,” Michigan Department of Environmental Quality, Saginaw Bay Coastal Initiative Speakers Series, Bay City State Recreation Area, Bay City, Michigan, November 4, 2009.
- “The impacts of wildlife conservation policies on rural welfare in Zambia,” Research and Outreach in Game Park and Natural Resource Management to Improve Rural Household Welfare in Zambia, Natural Resources Consultative Forum, Lusaka, Zambia, October 27, 2009.
- “Measuring socioeconomic well-being in Michigan: The Genuine Progress Indicator,” Data Committee, Power of We Consortium, East Lansing, Michigan, August 3, 2009.
- “Measuring socioeconomic well-being in Michigan,” Capital Area Land Use and Health Resource Team, Ingham County Health Department, Lansing, Michigan, February 17, 2009.
- “Genuine progress: Measuring socioeconomic well-being,” Tri-County Regional Planning Commission, Lansing, Michigan, November 7, 2008.
- “Michigan tourism 2008: Past performance and future expectations,” with Sarah Nicholls. Driving Tourism 2008, Michigan Lodging and Tourism Conference, Grand Rapids, Michigan, April 13-15, 2008.

TEACHING EXPERIENCE

Michigan State University	East Lansing, Michigan
• CSUS 310 – History of Environmental Thought and Sustainability	2014-20
• CSUS 824 – Sustainable Development	2009-19
• CSUS 300 – Theoretical Foundations of Sustainability	2017-19
• NSC 292 – Contemplative Practices for Resilience (with L. Goralnik, L. Thorp)	2018
• NSC 300 – Voluntary Simplicity (with L. Thorp)	2014
• ESA 200 – Introduction to Environmental Studies and Agriscience	2012
• PRR 302 – Environmental Attitudes and Concepts	2011-13
• EEP 320 – Environmental Economics	2008-10
• ACR 800 – Foundations of Community, Agriculture, Recreation and Resource Studies	2008-09
• PRR 474 – The Tourism System	2008-09
• PRR 840 – Recreation and Tourism Economics	2007
• PRR 815 – Parks and Recreation Program Services	2007

TEACHING EXPERIENCE, *continued*

Tulane University

- ENRG 7870 – Energy for Sustainable Development 2021-22

Galen University

San Ignacio, Belize

- ESCI 199 – Introduction to Sustainable Development 2005-06
- ESCI 360 – Applications in Sustainable Development 2006
- ECON 305 – Environmental Economics 2006
- MBA 602 – Global Economics 2006
- MBA 733 – Economic Policies of Sustainable Development 2006
- MBA 603 – Business Ethics & Human Rights 2006
- ECON 300 – National Income Analysis 2006
- TOUR 240 – Leisure and Recreation 2006
- ECON 366 – Finance 2005
- MGMT 282 – Small Business and Entrepreneurship 2005

San Francisco State University, Department of Economics

San Francisco, California

- ECON 305 – Economic Analysis for Non-Majors (Economics of Social Issues) 2005

University of San Francisco, Department of Economics

San Francisco, California

- ECON 111 – Principles of Microeconomics 2005

Centre for Rainforest Studies

Yungaburra, Queensland, Australia

- EE(SS) 302 – Environmental Economics and Policy 2003-04
- EE(NS) 372 – Tropical Reforestation Studies 2004

Colorado State University, Department of Agricultural and Resource Economics

Fort Collins, Colorado

- EA 202 – Principles of Agricultural and Resource Economics 2002

INVITED LECTURES*Michigan State University*

“Environmental policy in agri-food systems,” AFRE 300: Public Policy Issues in the Agri-Food System, February 26, 2020.

“Sustainable development,” CSUS 215: International Development and Sustainability, February 17, 2022.

“Integration of science in environmental policy,” ESP 800: Introduction to Environmental Science & Policy, February 1, 2022.

“Energy security and sustainable development,” CSUS 826: International Development, March 24, 2021.

“Food security program evaluation: small-scale aquaculture in Cambodia,” CSUS 429: Program Evaluation for Community Sustainability, September 29, 2020.

“Environmental policy in agri-food systems,” ABM 400: Public Policy Issues in the Agri-Food System, February 26, 2020.

“Economic perspectives on sustainability,” EEM 320: Environmental Economics, February 25, 2020.

“Sustainability and the limitations of neoclassical economics,” EEM 320: Environmental Economics, February 21, 2019.

“Environmental policy in agri-food systems,” ABM 400: Public Policy Issues in the Agri-Food System, February 20, 2019.

“Applications of science in environmental policy,” ESP 800: Introduction to Environmental Science and Policy, January 22, 2019.

“Policy problems, science, and environmental policy,” IBIO 446: Environmental Issues and Public Policy, October 15, 2018.

“Participatory frameworks for community resilience,” CSUS 891: Social-Ecological Resilience, September 27, 2018.

INVITED LECTURES, *continued*

- “Environmental policy in agri-food systems,” ABM 400: Public Policy Issues in the Agri-Food System, February 26, 2018.
- “Sustainability and the limitations of neoclassical economics,” EEP 320: Environmental Economics, February 22, 2018.
- “Applications of science in environmental policy,” ESP 800: Introduction to Environmental Science and Policy, February 13, 2018.
- “Metrics for a circular economy,” CSUS 473: Social Entrepreneurship and Community Sustainability, January 30, 2018.
- “Environmental policy and the role of scientific advisory boards,” Seminar Series, MSU Faculty Emeriti Association, September 28, 2017.
- “Sustainability and the problem with economics,” EEP 320: Environmental Economics, February 28, 2017.
- “Environmental policy: The role of science advisory boards,” ESP 800: Introduction to Environmental Science and Policy, February 7, 2017.
- “Ecological economics and wildlife policy,” FW 490: Wildlife Policy, March 18, 2015.
- “Sustainability and the economic problem,” EEP 320: Environmental Economics, February 24, 2015.
- “Ecosystem services and food security,” CSS 892B: Ecological Food and Farming Systems Seminar, October 27, 2014.
- “Ecosystem services and biodiversity in agricultural systems,” FOR 840: Agroforestry Systems, October 7 & 9, 2014.
- “Sustainability and the economic problem,” EEP 320: Environmental Economics, February 20, 2014.
- “Sustainable development and the problem of economics,” ACR 800: Foundations in Community, Agriculture, Recreation and Resource Studies, November 13, 2013.
- “Agriculture and globalization,” CSS 431: International Agricultural Systems, April 3, 2013.
- “Sustainability and the economic problem,” EEP 320: Environmental Economics, February 19, 2013.
- “Woodfuels, deforestation, and food Security in sub-Saharan Africa,” NSC 192: Environmental Issues Seminar, November 27, 2012.
- “Sustainable development and the problem of economics,” ACR 800: Foundations in Community, Agriculture, Recreation and Resource Studies, October 31, 2012.
- “Sustainability and the economic problem,” EEP 320: Environmental Economics, February 21, 2012.
- “Sustainable tourism and rural development in Africa,” PRR 474: The Tourism System, October 26, 2011.
- “Globalization and sustainability,” MC 181: Introduction to Science, Technology, and Environmental Policy, October 13, 2011.
- “Environment and sustainable development,” ACR 826: International Development, September 20, 2011.
- “Sustainable tourism in Zambia,” PRR 474: The Tourism System, October 27, 2010.
- “Economic values of wilderness,” PRR 211: Introduction to Natural Resource Recreation, October 26, 2010.
- “Economic vitality in sustainability,” ACR 187: Introduction to Sustainability, October 12, 2010.
- “Economic decisions in tourism,” PRR 214: Introduction to Travel and Tourism, February 2, 2010.
- “Economic lenses in sustainability,” NSC 491: Global Sustainability for a Shrinking Planet, March 17, 2009.
- “Non-market valuation methods in ecological economics,” ACR 802: Survey of Research Methods, October 29, 2008.
- “Survey research methods in economics,” ACR 802: Survey of Research Methods, October 17, 2007.
- “Economic perspectives on tourism research,” PRR 874: Leisure, Travel and Tourism, January 25, 2007.
- “Environmental sustainability,” RD 823: Community-Based Natural Resource Management in Developing Countries, January 23, 2007.

INVITED LECTURES, *continued**Other University Lectures*

- “Synergistic nature of global food insecurity,” Community Nutrition, University of Texas at Austin, February 14, 2022.
- “Geospatial solutions for boundaries, awareness, and partnership-building,” GEOG 498B: Coupled Human and Natural Systems, University of Maryland, October 5, 2021.
- “Methods for confronting tradeoffs in agricultural adaptation to climate change in Mali,” CRD 500/620: Community Research Methods, Arizona State University, October 6, 2020.
- “Ethical issues in environmental economics,” PHL 310: Environmental Ethics, Portland State University, May 9, 2011.
- “Valuation of ecosystem services,” USP 490/590: Green Economics and Sustainable Development, Portland State University, April 28, 2011.

GRADUATE STUDENT SUPERVISION AND ADVISING*Michigan State University*

Post-doctoral research associate supervisor

- Philip Grabowski, Sustainable intensification, landscapes, and livelihoods April 2014 – May 2015
- Naomi Sakana, Sustainable intensification, landscapes, and livelihoods July 2014 – Aug. 2015
- Kurt Waldman, Perennial grains for Africa April 2014 – Aug. 2015

Ph.D. advisor and chairperson

- Nathan Brugnone, Community Sustainability and Computational Mathematics, Science and Engineering. Modeling complex systems in data science Exp., May 2022
- Ryan Vroegindewey, Community Sustainability (Patterns of participation in African peri-urban dairy markets: Analyses of consumers, retailers, processors, and producers in Mali) December 2019
- Timothy Silberg, Community Sustainability (Modeling parasitic weed emergence across smallholder farming systems: The case of Central Malawi) May 2019
- Chewe Nkonde, Community, Agriculture, Recreation, and Resource Studies (Agricultural development in the context of farm structure change in Zambia) May 2017
- Eric B. Bailey, Community, Agriculture, Recreation, and Resource Studies (Micro and small business participation in Caribbean tourism: A value chain analysis) December 2016
- David Ivan, Community, Agriculture, Recreation, and Resource Studies (Community change and resilience: A theoretical and applied analysis) May 2013

M.S. advisor and chairperson

- Thany Hour, Community Sustainability (Assessment of aquaculture technology adoption and value chain system in Cambodia) May 2017
- Jacob Watson, Community Sustainability (Program Evaluation for the Beersheba Project’s Internship Program in Senegal, West Africa) May 2017
- Eva Kassara, Community Sustainability (Gender differences in agriculture and natural resources management in sub-Saharan Africa) December 2016
- Christian Scott, Community Sustainability (The role of emerging farmers’ personal networks in market access and startup farm success) December 2015
- Boaz Mandula, Community Sustainability (Enhancing access to agricultural information for extension: Developing a field reference handbook for extension workers in Malawi) August 2015
- Michele Hockett, Community, Agriculture, Recreation, and Resource Studies (“They say wealth is in the soil”: Local knowledge and agricultural experimentation in Malawi) August 2014
- Matthew Gardine, Community, Agriculture, Recreation, and Resource Studies (Participatory community development in rural Senegal) December 2012

GRADUATE STUDENT SUPERVISION AND ADVISING, *continued*

- Douglas Bessette, Community, Agriculture, Recreation, and Resource Studies (Determining the relationships between attitudes, well-being and private-sphere environmental behavior) August 2011

- Ph.D. guidance committee
- Donald Akanga, Geography Exp., May 2023
- Alaina Bur, Sociology Exp., May 2023
- Lauren Cooper, Forestry Exp., May 2023
- Brockton Feltman, Community Sustainability Exp., May 2023
- Gang Lu, Forestry Exp., May 2023
- Kevin McKeehan, Geography Exp., May 2023
- Ronak Sripal, Fisheries and Wildlife Exp., May 2023
- Kayleigh Ward, Sociology Exp., May 2022
- Ida Nadia Sedjro Djenontin, Geography (Governance of people-centered forest-agricscapes restoration in Malawi: Institutional and modeling approaches) August 2021
- Amal Shaaban, Planning, Design, and Construction (Quality of life in contemporary neighborhood design initiatives: An empirical study to assess quality of life through spatial dimension in New Urbanist and LEED-certified neighborhoods) August 2020
- Tatevik Avetisyan, Community Sustainability (Empirical examination of food hub entrepreneurship models, supply chain risks, and networks) May 2020
- Jarrad Farris, Agricultural, Food, and Resource Economics (Assessing development outcomes when land, weather, and people differ) May 2020
- Erika Kraus, Forestry (Concepts and mechanisms of cultural ecosystem services in the Mono-Kouffo, Republic of Benin, and Michigan, USA: Toward an integrated model) December 2019
- Wen Lin, Agricultural, Food, and Resource Economics (Chinese consumer decision-making and novel food products) December 2019
- Nahid Sattar, Community Sustainability (The freshwater aquaculture revolution in Bangladesh: Impacts on land, water, and livelihoods) January 2019
- Jelili Adebiyi, Community Sustainability (A livelihood and systems-based approach for understanding drivers of adoption and disadoption of organic farming in Ibadan, Nigeria) December 2018
- Syed Hamza Haider, Agricultural, Food, and Resource Economics (Intensification and asset dynamics: Intrahousehold decision-making in Burkina Faso) May 2018
- Mukesh Ray, Agricultural, Food, and Resource Economics (Three essays in development economics) May 2018
- Socheat Keo, Community Sustainability (Adoption of productivity-enhancing inputs and improved farm practices in Cambodia's rice production) December 2017
- Michelle L. Larkins, Community Sustainability (The ties that bind: The intersection of gender, femininity, and place in women's community-based environmental justice action) May 2017
- Joseph Goeb, Agricultural, Food, and Resource Economics (The impact of pesticide safety information on farmer knowledge and demand for health goods: Experimental evidence from Zambia) May 2017
- Michael Dolislager, Agricultural, Food, and Resource Economics (Food consumption patterns and urbanization: Evidence from east and southern Africa) May 2017
- Aniseh Bro, Community Sustainability (Biodiversity, climate change, and livelihoods: Economic and ecological sustainability among coffee producers in the highlands of Nicaragua) December 2016
- Ramjee Ghimire, Community Sustainability (Assessment of core competencies of agricultural extension professionals in Nepal) May 2016
- Keneilwe Kgosikoma, Agricultural, Food, and Resource Economics (Essays on the economic value of wildlife-based recreation in developing countries) May 2016
- Raul Pitoro, Community, Agriculture, Recreation and Resource Studies (The challenges and effects of agrarian reform in Africa: Evidence from rural Mozambique) December 2015

GRADUATE STUDENT SUPERVISION AND ADVISING, *continued*

- Milton Ayieki, Agricultural, Food, and Resource Economics (Patterns, determinants, and welfare effects of agricultural and livelihood diversification among smallholder farmers in rural Kenya) August 2015
 - Oscar Arreola, Community Sustainability (Learning from theories and practice of sustainability: In search of cohesion) May 2015
 - Delanie Kellon, Community, Agriculture, Recreation and Resource Studies (Resource management in a developing country context: improving decisions by confronting difficult tradeoffs in Costa Rica) December 2010
 - Richard Grogan, Community, Agriculture, Recreation and Resource Studies (On the road to sustainability: from vision to action in the sustainability transition) December 2010
- M.S. guidance committee
- Jaime García-Vila, Community Sustainability Exp., May 2023
 - Paul C. Samboko, Agricultural, Food, and Resource Economics (The effects of medium and large-scale farms on young people's employment in agriculture: Evidence of Tanzania) December 2021
 - Travis Decaminada, Urban and Regional Planning (A bird in the hand is worth two on the bus: Social media and its ability to influence perceptions of autonomous public transport) August 2020
 - Simone Faas, Agricultural, Food, and Resource Economics (The role of intra-household empowerment measures on maternal and child health: Evidence from Zambia) May 2020
 - Benjamin Schram, Forestry (Family forests in Michigan: Michigan's Qualified Forest Program as a case study) May 2019
 - Adedamola Akinlembola, Agricultural, Food, and Resource Economics (Examining the determinants of adoption of soil fertility management practices: Panel survey data from Nigeria) May 2019
 - David Olson, Agricultural, Food, and Resource Economics (Do changes in maize prices and input prices affect smallholder farmers' soil fertility management decisions? Panel survey evidence from Kenya) August 2018
 - Ashleigh Burgess, Community Sustainability (Integrating Senegalese smallholder farmers and processors into the cashew value chain: An exploration of the cashew sector in Sokone area, Senegal) May 2017
 - Ryan LeMier, Community Sustainability (Agricultural technology transfer in rural Nicaragua and Peace Corps: Barriers to adoption and case studies) May 2017
 - Yijue Chen, Forestry (Carbon emission trading and offsetting in China) May 2017
 - Florencia Colella, Agricultural, Food, and Resource Economics (Consumer preferences for retail channel and beef steak attributes: Experimental Evidence from Argentinean Consumers) May 2016
 - Warveen Mosa, Forestry (Forest cover change and migration in Iraqi Kurdistan: A case study from Zawita Sub-district) May 2016
 - Hastings Nyirongo, Community Sustainability (Exploring pluralistic and demand-driven extension services in central Malawi: Nkhotakota and Kasungu Districts) December 2015
 - Chiwimbo Gwenambira, Crop and Soil Sciences (Below- and above-ground pigeon pea productivity in on-farm sole and intercrop systems in central Malawi) July 2015
 - Hannah Livuza, Community Sustainability (Agricultural extension: A 'how-to' guide to essential competencies and skills for an effective extension worker) July 2015
 - Eric Dobbrastine, Community Sustainability (Exploring the potential of volunteer tourism as a means of development for the Batwa of Kanungu District, Uganda) May 2015
 - Anel Guel, Community Sustainability (Lake 513 and Mount Hualcán: An ecotourism project in the Peruvian Andes) March 2015
 - Thelma Namonje, Agricultural, Food and Resource Economics (Effects of late delivery of fertilizer under the Farmer Input Support Program on technical efficiency and maize production of smallholder farmers in Zambia) July 2014

GRADUATE STUDENT SUPERVISION AND ADVISING, *continued*

- Ayala Wineman, Agricultural, Food and Resource Economics (The multidimensional nature of rural household food security in Zambia: A panel analysis) December 2013
 - Best MS Thesis of 2014, Department of Agricultural, Food, and Resource Economics, Michigan State University
- Eleanor Turner, Agricultural, Food, and Resource Economics (Determinants of crop diversification among Mozambican smallholders: Evidence from a household panel) August 2013
- Philip Grabowski, Community, Agriculture, Recreation and Resource Studies (Constraints to adoption of conservation agriculture in the Angonia Highlands of Mozambique: Perspectives from smallholder hand-hoe farmers) April 2011
- Kristianna Post, Community, Agriculture, Recreation and Resource Studies (Risk management in a developing country context: structured decision making for point-of-use water treatment in rural Tanzania) December 2010
- Joseph Goeb, Agricultural, Food, and Resource Economics (Impacts of government maize supports on smallholder cotton production in Zambia) September 2010
- Yuan Yao Lee, Community, Agriculture, Recreation and Resource Studies (Cost-benefit analysis of Mei-Nong dam project: a case study) February 2010
- Ana Fernandez, Agricultural, Food, and Resource Economics (Wildlife management in Zambia: impact of game management areas on household welfare) May 2009
 - Best MS Thesis of 2010, Department of Agricultural, Food, and Resource Economics, Michigan State University
 - Outstanding MS Thesis, Honorable Mention 2010, Agricultural and Applied Economics Association

External academic advising (in service at Michigan State University)

- Swati Kwatra, Ph.D., TERI University, India (Development and assessment of national and regional sustainability: A multi-pronged approach in the Indian context) December 2018
- Brian Mulenga, M.S., Agricultural and Applied Economics, Bunda College of Agriculture, Malawi (Contribution of selected non-timber forest products to rural household welfare in Zambia) December 2010
- Jackie Dawson, Ph.D., Department of Environmental Studies, University of Waterloo, Ontario, Canada (Climate change vulnerability of the US Northeast Ski Sector: A multi-methods systems-based approach, external examiner) July 2009
- Patience Mlongo Mshenga, Ph.D., Department of Agricultural Economics and Agribusiness, Egerton University, Kenya (Contribution of tourism to farm and non-farm micro and small enterprise growth: the case of the Kenyan coast) December 2008

UNDERGRADUATE STUDENT SUPERVISION AND ADVISING*Michigan State University*

Supervisor, Undergraduate Research Program

- Christopher Merchant, Carbon accounting estimates for the Michigan State University Sustainable Wood Recovery Initiative Summer 2019
- Max Offerman, Statewide policy for on-site water treatment systems in Michigan Fall 2019
- Raisa Lenau, Game day challenge: Measuring attitudes towards waste management in stadium sporting events Fall 2017
- Claire Jordan, Gender and sustainable intensification in Malawi Summer 2015

SERVICE AND MEMBERSHIPS IN PROFESSIONAL SOCIETIES*Professional associations*

- American Association for the Advancement of Science 2016 – present
- International Society for Ecological Economics 2000 – present
- U.S. Society for Ecological Economics 2001 – present
 - President / Past-President 2019 – 2022
 - President-elect 2018 – 2019
 - Chairperson, Scientific Committee, 2017 conference 2016 – 2017
 - Secretary-Treasurer 2009 – 2015
 - Chairperson, Conference Committee, 2011 conference 2010 – 2011
 - Member, Scientific Committee; session chair, 2009 conference 2009
- 5th World Sustainability Forum, Scientific Advisory Committee 2015
- E3 Network: Economics for Equity and the Environment 2007 – present

Professional service

- United Nations Environment Programme, Multidisciplinary Experts Panel of the Innovation Facility 2021 – present
- Reviewer, Master of Arts program in Leadership in Sustainable Development, SUNY Empire State College, Saratoga Springs, NY 2019
- U.S. Environmental Protection Agency, Board of Scientific Counselors 2014 – 2017
 - Chairperson, Sustainable and Healthy Communities subcommittee
- Michigan Environmental Council 2014 – 2015
 - Project Advisory Committee, “Bringing the Latest Science to Michigan’s Management of Our Coastal Dunes,” funded by Michigan Department of Environmental Quality
- Panelist, National Geographic Center for Sustainable Destinations 2007 – 2009

Academic and scientific journals

- Associate Editor, *Environmental Management* 2014 – present
- Associate Editor, *Journal of Natural Resources Policy Research* 2015 – present
- Science Advisory Board, *Economia agro-alimentare / Food Economy* 2018 – present
- Associate Editor, *Society and Natural Resources* 2010 – 2018
- Co-editor, Special Issue: Agricultural ecosystem services, *Environments* 2017 – 2018
- Editor, Special Issue: Transforming our world. *Societies* 2016 – 2017
- Associate Editor, *International Journal of Ecological Economics and Statistics* 2008 – 2013
- Editor, Special Issue: Measuring socio-economic well-being. *Sustainability* 2012 – 2013
- Peer reviewer for academic and scientific journals (past 10 years):
 - *Agriculture and Human Values* (2015)
 - *Agroforestry Systems* (2013, 2017)
 - *Climate Risk Management* (2020)
 - *Climatic Change* (2012, 2020)
 - *Conservation Biology* (2012)
 - *Ecological Economics* (2013, 2014, 2015, 2018, 2019, 2021)
 - *Ecology and Society* (2013)
 - *Ecosystem Services* (2013)
 - *Energy Economics* (2014, 2015)
 - *Energy for Sustainable Development* (2013)
 - *Environmental Management* (2014, 2020, 2021)
 - *Experimental Agriculture* (2016)
 - *Forests, Trees, and Livelihoods* (2014)
 - *Global Ecology and Conservation* (2019, 2020)
 - *International Social Science Journal* (2020)
 - *Journal of Development Studies* (2016)
 - *Journal of Environmental Management* (2018, 2019, 2020)
 - *Food Security* (2018)

SERVICE AND MEMBERSHIPS IN PROFESSIONAL SOCIETIES, *continued*

- *Journal of Sustainable Tourism* (2017)
- *Land Use Policy* (2018)
- *PLOS ONE* (2017)
- *PNAS Nexus* (2022)
- *Proceedings of the National Academy of Sciences* (2022)
- *Renewable Agriculture and Food Systems* (2016)
- *Risk Analysis* (2016)
- *Society and Natural Resources* (2013, 2014, 2015, 2016, 2017, 2018, 2019)
- *Sustainability* (2018)
- *World Development* (2015, 2017, 2018)

Other scholarly publications

- Reviewer, *National Climate Assessment*, U.S. Global Change Research Program 2012
- Reviewer, educational modules, Network of Conservation Educators and Practitioners, Center for Biodiversity and Conservation, American Museum of Natural History 2011
- Reviewer, textbook, John Wiley & Sons, Inc. 2009
- Reviewer, Northeast Michigan Integrated Assessment, Michigan Sea Grant 2008

UNIVERSITY SERVICE*Michigan State University*

- Environmental Science and Policy Program, Core Faculty 2007 – present
 - Member, Graduate Program Committee 2013 – 2016
 - Member, Fate of the Earth Symposium Committee 2013 – 2014
 - Member, Program Advisory Group 2008 – 2010
 - Member, Curriculum Review Committee 2009 – 2010
- Faculty Board of Advisors, Center for Community and Economic Development, Member 2010 – present
- Editorial Advisory Board, Michigan State University Press, Member 2008 – present
- African Studies Center, Core Faculty 2007 – present
- Center for Advanced Study of International Development, Core Faculty 2007 – present
- Center for Latin American and Caribbean Studies, Core Faculty 2007 – present
- Center for Gender in the Global Context, Affiliated Faculty 2015 – present
- Center for Regional Food Systems, Affiliated Faculty 2013 – present
- Graduate Specialization in Environmental and Resource Economics, Core Faculty 2008 – present
- Steering Committee, Tanzania Partnership Program, Member 2011 – 2017
- Academy for Global Engagement Fellows program, Faculty mentor 2014 – 2015

Michigan State University, College of Agriculture and Natural Resources

- Co-Chair, Search Committee, W. K. Kellogg Foundation Chair in Food and Society 2021 – 2022
- Academic Leaders professional development program 2019 – 2020
- Undergraduate Research Program review committee 2018 – 2020
- Academic Hearing Board 2012 – 2015

Michigan State University, Department of Community Sustainability

- Associate Chairperson 2018 – present
- Faculty Advisory Committee
 - Member 2016 – 2018
 - Member 2011 – 2013
- Graduate Affairs and Curriculum Committee
 - Chairperson 2014 – 2015
 - Member 2013 – 2014
 - Chairperson 2008 – 2010
 - Member 2007 – 2008

UNIVERSITY SERVICE, *continued*

- Member, Department Chairperson Search Committee 2016 – 2017
- Coordinator, Peace Corps Master's International program 2008 – 2016

OTHER APPOINTMENTS

Fellow, Center for Behavioral and Experimental Agri-Environmental Research	2021 – present
Adjunct Professor, Tulane Energy Institute, Tulane University	2020 – present
Visiting Professor, Department of Economics, Appalachian State University	2015 – 2016
Visiting Professor, Institute of Resource Assessment, University of Dar es Salaam, Tanzania	2015 – 2016
Associate Director, Institute for Sustainable Solutions, Portland State University	2011
Honorary Fellow, Gaylord Nelson Institute for Environmental Studies, University of Wisconsin	2005 – 2006
Adjunct Professor, Department of Economics, San Francisco State University	2005
Adjunct Professor, Department of Economics, University of San Francisco	2005
Fellow, Center for Energy and Environmental Studies, Boston University	2003 – 2004
Fellow, Gund Institute for Ecological Economics, University of Vermont	2002 – 2003

MISCELLANEOUS

- Written and spoken French
- Certified, Advanced Open Water Diver (PADI) 2004
- Certified, Open Water Diver (PADI) 2000
- Returned Peace Corps volunteer, Côte d'Ivoire (Urban environmental management, Bouna) 1998