

Curriculum Vitae Laura Schmitt Olabisi, Ph.D.

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Current Position

Associate Professor
Michigan State University
Department of Community Sustainability
Environmental Science & Policy Program
151 Natural Resources
East Lansing, MI 48824-1222

Professional Preparation

Visiting scholar	RAND Corporation, 2016-17
Assistant Professor	Michigan State University Department of Community Sustainability, 2009-2016
Postdoctoral appointment	University of Minnesota Ecosystem Science and Sustainability Initiative, 2007-2008
Ph.D. Systems Ecology	State University of New York College of Environmental Science and Forestry, 2006
Sc.B. Environmental Science	Brown University, 1999

Grant and Research Activity: External

- Halvorsen, Kathleen (P.I.), Rebecca Ong, Joshua Pearce, Chelsea Schelly, Richelle Winkler, Douglas Bessette, Kristin Arola, Christie Poitra, and **Laura Schmitt Olabisi**. “GCR: A Convergent Discipline in Socio-Technological System Transitions--Research on Michigan Community & Anishinaabe Renewable Energy Sovereignty [MICARES].” NSF Growing Convergence Research. 2020-2024 (\$2,623,647).
- Gray, Steven A. (P.I.), **Laura Schmitt Olabisi**, Jennifer Hodbod, Maria Claudia Lopez, Artina Sadler, Robert Brown, and Richard Pirog. “Finding the Proper Levers: Identifying leverage points for transformation in urban food systems thru participatory modeling.” Foundation for Food and Agriculture Research. 2018-2022 (\$999,089)
- Sidibé, A. (P.I.) “Evaluation study of the use of digital technologies for agriculture and food security in Mali.” NSF Partnerships for Enhanced Engagement in Research. 2018 (**Laura Schmitt Olabisi** NSF-funded collaborator). (\$80,000).
- Liverpool-Tasie, Saweda (P.I.) “Enhancing Knowledge and Capacity to Strengthen Agricultural and Food Security Policy Processes in Nigeria.” USAID/Feed the Future through MSU Food Security Group. 2015-2018 (**Laura Schmitt Olabisi** lead on climate change and food security portion; \$1.2 million).
- **Schmitt Olabisi, Laura (P.I.)**. “Capacitating Science-Policy Exchange Platforms to Mainstream Climate Change into National Agricultural and Food Security Policy Plans.” IDRC, Canada (under Adaptation at Scale in Semi-Arid Regions (ASSAR)). 2014-2018 (\$398,206).
- Ligmann-Zielinska, Arika (P.I.), **Schmitt Olabisi, Laura**, Marquart-Pyatt, Sandra, Rivers, Louie, and Du, Eric Jing (co-P.I.’s). “IBSS: Participatory Ensemble Modeling to Study Multiscale Social and Behavioral Dynamics of Food Security in Dryland West Africa.” NSF-Interdisciplinary Behavioral and Social Science Research. 8/1/2014-7/31/2019 (\$723,170).
- Richardson, Robert and **Schmitt Olabisi, Laura**. “Sustainable Intensification of Landscapes and Livelihoods (SILL), Zambia”. USAID/Africa RISING. 4/1/2014 - 8/31/2015 (\$298,746).

- Raven, Matt, Biernbaum, John, **Schmitt Olabisi, Laura**, Rowntree, Jason, and Cassida, Kimberly, “Establishment of an Entrepreneurial Local Nutrient Dense Food Production Incubator in Michigan’s Upper Peninsula”. USDA-National Institute of Food and Agriculture. 1/1/2014-12/31/2018 (\$499,961).
- Snapp, Sieglinde, Messina, Joseph, Richardson, Robert, Basso, Bruno, and **Schmitt Olabisi, Laura**, “Perennial grain crops for African smallholder farming systems”. Bill and Melinda Gates Foundation. 10/1/2013 - 9/30/2015 (\$1.5 million).

Grant and Research Activity: Internal

- **Schmitt Olabisi, L.**, Osuntade, B., Liverpool-Tasie, L.S.O., and A. O. Olajide. “Climate Change Mitigation and Adaptation in the Nigerian Poultry Sector.” MSU Alliance for African Partnership grant, 2017-18 (\$99,598)
- Meisel, Jessica, Li, Hui, Rothstein, David, Saffron, Chris, **Schmitt Olabisi, Laura**, and Zhang, Wei. “Black Carbon in the Environment.” MSU ESPP Interdisciplinary Team-Building Initiative. 2014-2015 (\$10,000).
- **Schmitt Olabisi, Laura**, Wallace, Renee, and Underwood, Kathryn. “Assessing the Environmental and Public Health Impacts of Urban Livestock Agriculture in Detroit.” Michigan Applied Public Policy Research Grant. 11/2014-10/2015 (\$14,700).
- **Schmitt Olabisi, L.**, Levine, R., Blythe, S., Cameron, L., Beaulac, M. and Wahl, R, “A Modeling Framework for Informing Decision Maker Response to Extreme Heat Events in Michigan Under Climate Change”. Great Lakes Sciences & Assessments Center Climate Assessments Grant. 2011-2012 (\$25,000).
- Suh, S., Chiu, Y-W, and **Schmitt Olabisi, L.** “The Future of Energy and Minnesota’s Water Resources” Funded by Legislative-Citizen Commission on Minnesota Resources. 2010.
- Michigan State University Special Foreign Travel Fund award, 2009 (\$835)
- **Schmitt Olabisi, L.** “A Learning Community for Sustainability in the Philippine Uplands.” Michigan State University Center for Advanced Study of International Development Grant, 2009 (\$4,240)

Journal Articles (* = peer-reviewed; † = graduate student coauthor; ¹ = undergraduate coauthor)

†Metta, K., **Schmitt Olabisi, L.**, and R. Wallace. *Under revision*. A System Dynamics Approach to Examining Household Food Insecurity. *Journal of Agriculture, Food Systems, and Community Development*.

Tambo, J., Liverpool-Tasie, L.S.O., Pummel, H., **Schmitt Olabisi, L.**, and O. Osuntade. *Revisions submitted*. Perceptions and exposure to climate events along agricultural value chains: Evidence from Nigeria. *Journal of Environmental Management*.

†Adebiyi, J.A., **Schmitt Olabisi, L.**, Richardson, R.B.R., Liverpool-Tasie, L.S. O., and K. Delate. 2020. Drivers and Constraints to the Adoption of Organic Leafy Vegetable Production in Nigeria: A Livelihood Approach. *Sustainability* 12(1).

†McKay, P., **Schmitt Olabisi, L.**, and C. Vogt. 2019. Assessing improvements in socio-ecological system governance using the Quality Governance Framework and its Diagnostic Capacity Tool. *Environment Systems and Decisions* (2019).

*†Choko, O. P., **Schmitt Olabisi, L.**, Onyeneke, R. U., †Chiemela, S. N., Liverpool-Tasie, L.S. O., and L. Rivers III. 2019. A Resilience Approach to Community-Scale Climate Adaptation. *Sustainability* 11, 3100.

*Sterling, E.J., Zellner, M., Jenni, K.E., Leong, K., Glynn, P.D., BenDor, T.K., Bommel, P., Hubacek, K., Jetter, A.J., Jordan, R., **Schmitt Olabisi, L.**, Paolisso, M., and S. A. Gray. 2019. Try, try again: Lessons learned from success and failure in participatory modeling. *Elementa* 7:9

*Grabowski, P., **Schmitt Olabisi, L.**, †Adebiyi, J.A., Waldman, K., Richardson, R. B. R., Rusinamhodzi, L., and S. Snapp. 2019. Assessing adoption potential in a risky environment: The case of perennial pigeonpea. *Agricultural Systems* 171: 89-99.

*†Assan, E., Suvedi, M., **Schmitt Olabisi, L.**, and A. Allen. 2018. Coping with and Adapting to Climate Change: A Gender Perspective from Smallholder Farming in Ghana. *Environments* 5(8).

*Jordan, R., Gray, S. A., Zellner, M., Glynn, P.D., Voinov, A., Hedelin, B., Sterling, E.J., Leong, K., **Schmitt Olabisi, L.**, Hubacek, K., Bommel, P., BenDor, T.K., Jetter, A. J., Laursen, B., Singer, A., Giabbanelli, P. J., Kolagani, N., Basco Carrera, L., Jenni, K., and C. Prell. 2018. Twelve questions for the participatory modeling community. *Earth's Future* 6(8): 1046-1057.

* Voinov, A., Gray, S. A., Jordan, R., Paolisso, M., Le Page, C., Basco-Carrera, L., Sterling, E., Hubacek, K., Bommel, P., Kolagani, N., **Schmitt Olabisi, L.**, Glynn, P., and Zellner, M. 2018. Tools and methods in participatory modeling: selecting the right tool for the job. *Environmental Modeling and Software* 109: 232-255.

*Sidibé, A., Totin, E., Thompson-Hall, M., Traoré, P.C.S., and **Schmitt Olabisi, L.** 2018. Multi-scale governance in agriculture systems: Interplay between national and local institutions around food security in Mali. *NJAS - Wageningen Journal of Life Sciences* 84:94-102.
<https://doi.org/10.1016/j.njas.2017.09.001>

*Nazir, N., **Schmitt Olabisi, L.**, and S. Ahmad. 2018. Forest Wood Consumption and Wood Shortage in Pakistan: Estimation and Projection through System Dynamics. *The Pakistan Development Review* 57(1): 73-98.

*Rivers III, L. R., †Sanga, U., Sidibé, A., Wood, A., †Paudel, R., Marquart-Pyatt, S.T., Ligmann-Zielinska, A., **Schmitt Olabisi, L.**, Du, E.J., and Liverpool-Tasie, L.S.O. 2017. Mental Models of Food Security in Rural Mali. *Environment Systems & Decisions* 2017: 1-19.

***Schmitt Olabisi, L.**, Liverpool-Tasie, L.S.O., Rivers III, L., Ligmann-Zielinska, A., Du, J., Denny, R., Marquart-Pyatt, S., and Sidibé, A. 2017. Using Participatory Modeling Processes to Identify Sources of Climate Risk in West Africa. *Environment, Systems & Decisions* 2017: 1-10.

*Denny, R.C.H., Marquart-Pyatt, S.T., Ligmann-Zielinska, A., **Schmitt Olabisi, L.**, Rivers III, L., Du, J., Liverpool-Tasie, L.S.O. 2017. Food security in Africa: a cross-scale, empirical investigation using structural equation modeling. *Environment, Systems & Decisions* 2017: 1-17.

*Whitely, C. T., Rivers, L., Bryant, S., Ligmann-Zielinska, A., **Schmitt Olabisi, L.**, and Marquart-Pyatt, S. 2017. Climate-induced Migration: Using Mental Models to Explore Aggregate and Individual Decisions. *Journal of Risk Research* 2017:1-17.

*Gray, S. A., Voinov, A., Paolisso, M., Jordan, R., BenDor, T., Bommel, P., Glynn, P., Hedelin, B., Hubacek, K., Introne, J., Kolagani, N., Laurson, B., Prell, C., **Schmitt Olabisi, L.**, Singer, A., Sterling,

E., and Zellner, M. 2017. Purpose, Processes, Partnerships, and Products: 4Ps to advance Participatory Socio-Environmental Modeling. *Ecological Applications* 2017: DOI: 10.1002/eap.1627.

*Gray, S., Sadler, A., **Schmitt Olabisi, L.**, †Metta, K., Wallace, R., Lopez, M.C., Introne, J., ¹Gorman, M., and Henderson, J. 2017. Translating community narratives into semi-quantitative models to understand the dynamics of socio-environmental crises. *Environmental Modeling and Software* 97 (2017): 46-55.

* Gray, S. A., Singer, A., **Schmitt Olabisi, L.**, Introne, J., and ¹Henderson, J. 2017. Collaborative Modeling approaches to understand community perceptions about the causes, consequences and solutions to the Flint Water Crisis. *Environmental Justice* 10(5): DOI: 10.1089/env.2017.00161

Nazir, N., and **Schmitt Olabisi, L.** 2017. Illegal Logging and Wood Consumption: Estimation and Projection of Illegal Wood Harvesting in Pakistan through System Dynamics. *Pakistan Journal of Commerce & Social Sciences* 11(2): 406-427.

*†McKay, P., Vogt, C., and **Schmitt Olabisi, L.** 2017. Development and Testing of a Diagnostic Capacity Tool for Improving Socio-Ecological System Governance. *Environment Systems & Decisions* 37(2): 156-183.

***Schmitt Olabisi, L.**, †Adebiyi, J.A., Traoré, P. C. S., and Kakwera, M. 2016. Does Participatory Scenario Visioning Promote Learning? Evidence from Three African Countries. *Elementa* published online 21 July 2016. DOI 10.12952/journal.elementa.000113.

***Schmitt Olabisi, L.**, Wang, R. Q., and A. Ligmann-Zielinska. 2015. Why don't more farmers go organic? Using an agent-based model to represent complex decision-making. *Land* published online 22 October 2015.

*†Adebiyi, J. A., **Schmitt Olabisi, L.**, and Snapp, S. 2015. Understanding Perennial Wheat Adoption as a Transformative Technology: Evidence from the literature and farmers. *Renewable Agriculture & Food Systems* published online 22 June 2015.

*Johnson, K. A., Dana, G., Jordan, N. R., Draeger, K. J., Kapuscinski, A. R., **Schmitt Olabisi, L. K.**, and Reich, P. B.. 2012. Participatory Scenarios and Social Learning for Sustainability. *Ecology and Society* 17(2): 9.

***Schmitt Olabisi, L.** 2012. Uncovering the root causes of soil erosion in the Philippines. *Society & Natural Resources* 25: 37-51.

*Jordan, N., Schively Slotterback, S., Kim, J., Cadieux, V., **Schmitt Olabisi, L.**, Pitt, D., and Mulla, D. 2011. TMDL planning in agricultural landscapes: A communicative and systemic approach. *Environmental Management* 48(1): 1-12.

***Schmitt Olabisi, L.**, Johnson, K., Kapuscinski, A. R., Reich, P.B., Stenquist, B., and K. Draeger. 2010. Using Scenario Visioning and Participatory System Dynamics Modeling to Investigate the Future: Lessons from Minnesota 2050. *Sustainability* 2(8): 2686-2706.

***Schmitt Olabisi, L.** 2010. The System Dynamics of Forest Cover in the Developing World: Researcher vs. Community Perspectives. *Sustainability* 2(6): 1523-1535.

***Schmitt Olabisi, L.**, P. Reich, K. Johnson, A. Kapuscinski, S. Suh, and E. Wilson. 2009. Reducing greenhouse gas emissions for climate stabilization: framing regional options. *Environmental Science & Technology* 43(6): 1696-1703.

***Schmitt, L.** 2009. Developing and Applying a Soil Erosion Model in a Data-Poor Context to an Island in the Rural Philippines. *Environment, Development and Sustainability* 11(1): 19.

Other Publications (*= peer-reviewed)

Books and Book Chapters

Schmitt Olabisi, L., McNall, M., Porter, W., and Zhao, J. 2020 (eds). *Innovations in Collaborative Modeling*. East Lansing, MI, MSU Press.

Ligmann-Zielinska, A., Du, J., Rivers III, L., **Schmitt Olabisi, L.**, Marquart-Pyatt, S., Liverpool Tasié, S., Sanga, U., and Paudel, R. Principles of Participatory Ensemble Modeling to Study Complex Socioecological Systems. (*in press*). *Chapter in: Schmitt Olabisi, L., McNall, M., Porter, W., and Zhao, J* (eds). *Innovations in Collaborative Modeling*. East Lansing, MI, MSU Press.

Richardson, R.B., and **Schmitt Olabisi, L.** Using Participatory System Dynamics Modeling of Agricultural-Environmental Systems in a Developing Country Context. (*in press*). *Chapter in: Schmitt Olabisi, L., McNall, M., Porter, W., and Zhao, J* (eds). *Innovations in Collaborative Modeling*. MSU Press.

***Schmitt Olabisi, L.**, Blythe, S., Levine, R., Cameron, L., and M. Beaulac. 2016. Participatory, Dynamic Models: A Tool for Dialogue. *Chapter In: Climate in Context*, G. Garfin & A. Parris, eds. Wiley.

***Schmitt Olabisi, L.**, S. Blythe, A. Ligmann-Zielinska, and S. Marquart-Pyatt. 2013. Modeling as a Tool for Cross-Disciplinary Communication in Solving Environmental Problems. *In: Enhancing Communication & Collaboration in Interdisciplinary Research*, M. O'Rourke, S. Crowley, S. D. Eigenbrode, and J. D. Wulfhorst (eds.). SAGE Publications, Thousand Oaks, CA.

Guzman, A. and **L. Schmitt** (2007). Putting (Under)Development in Perspective: Colonial and Neocolonial Dynamics in the Philippines, in C. Hall and G. LeClerc (eds.) *Making World Development Work: Scientific Alternatives to Neoclassical Economic Theory*, University of New Mexico Press, Albuquerque, NM.

Reports

Schmitt Olabisi, L., Azhar, G., Abbott, M., and R. Lempert. RAND Conference Proceeding Report: Modeling Climate Change Impacts on Public Health in Long Beach. Long Beach, CA: March 20, 2017.

Schmitt Olabisi, L., S. Liverpool-Tasié, and A. O. Olajide. 2017. Exploring Maize Production in Nigeria Under Climate Change Using System Dynamics. Nigeria Agricultural Policy Project Research Brief 46, Feed the Future Innovation Lab for Food Security Policy, East Lansing, MI.

Schmitt Olabisi, L., S. Liverpool-Tasié, and A. O. Olajide. 2016. Towards a Systemic Analysis of the Impacts of Climate Change on Agricultural Production in Nigeria. Nigeria Agricultural Policy Project Research Paper 25, Feed the Future Innovation Lab for Food Security Policy, East Lansing, MI.

Schmitt Olabisi, L., Metta, K., and R. Wallace. 2016. Urban Livestock Adoption: Policy Analysis for Detroit, Michigan. Michigan State University Institute for Public Policy and Social Research, East Lansing, MI. https://www.ippsr.msu.edu/sites/default/files/MAPPR/Urban_Livestock.pdf

Rogé, P., Snapp, S., Richardson, R. B., **Schmitt Olabisi, L.**, Basso, B., Messina, J., Weltzein, E., Cox, S., and P. Grabowski. 2015. Perennial Grain Crops for African Smallholder Farming Systems. Report to the Bill and Melinda Gates Foundation.

<http://pgrainsforafrica.psm.msu.edu/wp-content/uploads/2015/11/gates-executive-summary-150dpi.pdf>

Richardson, R.B., **Schmitt Olabisi, L.**, Sakana, N., Waldman, K., and P. Grabowski. 2015. Impact of sustainable intensification on landscapes and livelihoods (SILL). International Institute of Tropical Agriculture and USAID Feed the Future, Washington D.C. Submitted 8/31/15.

Schmitt Olabisi, L., R. Levine, L. Cameron, M. Beaulac, R. Wahl, and S. Blythe. 2012: A Modeling Framework for Informing Decision Maker Response to Extreme Heat Events in Michigan Under Climate Change. *In: 2011 Project Reports*, D. Brown, D. Bidwell, and L. Briley (*eds*). Available from the Great Lakes Integrated Sciences and Assessments (GLISA) Center.

Suh, S., Chiu, Y.-W., and **Schmitt Olabisi, L.** 2010. The Future of Energy and Minnesota's Water Resources. Report to Legislative Citizen's Commission on Minnesota Resources, Saint Paul, Minnesota.

Institute on the Environment, CR Planning, & Bonestroo (**Schmitt Olabisi** member and co-author, Energy & Mercury Team; Cost Benefit Assessment Team) (2008). Minnesota Statewide Conservation and Preservation Plan: Final Plan. Available at:

www.lccmr.leg.mn/statewideconservationplan/SCPP_FinalPlan.html (peer-reviewed)

Reich, P., E. Nater, S. Hobbie, J. Espeleta, C. Fissore, **L. Schmitt Olabisi** and A. Ek (2008). Comments on the Minnesota Climate Change Advisory Group Recommendations. In: Appendix L of Minnesota Climate Change Advisory Group Final Report to the Minnesota Legislature. Available at:

<http://www.mnclimatechange.us/MCCAG.cfm>.

Conference Proceedings

***Schmitt Olabisi, L.**, R. Roberts-Toler, K. Metta, J. Lawlor, A. Gerard, J. Hodbod, R. Wallace, C. Wentworth, M. Zareei and S. Gray. 2019. Systems Archetypes in Community-Based Modeling. Record of the 37th International Conference of the System Dynamics Society. Albuquerque, New Mexico USA: July 22-24, 2019.

***Schmitt Olabisi, L.** 2013. Participatory modeling in environmental systems. Proceedings of the 31st International Conference of the System Dynamics Society. Cambridge, MA: July 21-25, 2013.

***Schmitt Olabisi, L.** 2009. Difficult choices, limited land: Land use tradeoffs in the Philippine context. Proceedings of the 5th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems. Dubrovnik, Croatia: Sept. 29-Oct. 3, 2009.

Letters

Selin, N.E., Kenney, M.A., Jefferson, A. J., Dukes, J. S., Hill, T. M., **Schmitt Olabisi, L.** and M. A. Duffy. 2018. Call for new AAAS Harrassment Policy. *Science* 361 (6406): 984.

Blog Posts and Popular Articles

Schmitt Olabisi, L. 2019. We can't have climate adaptation without climate justice. May 22, 2019. <http://schmi420.msu.domains/uncategorized/we-cant-have-climate-adaptation-without-climate-justice/>

Schmitt Olabisi, L. and L.S.O. Liverpool-Tasie. 2018. Building Resilience in Nigerian Agriculture. *Agrilinks*, December 6, 2018. <https://www.agrilinks.org/post/building-resilience-nigerian-agriculture>

Schmitt Olabisi, L. and Liverpool-Tasie, L.S.O. 2018. Climate Change and Food Security: The Threats and Hopes for Nigeria. *The Republic*, June 4, 2018. <https://www.republic.com.ng/junejuly-2018/climate-change-and-food-security/>

Schmitt Olabisi, L. 2017. Dealing with Deep Uncertainty: Scenarios. G. Bammer (*ed.*), Integration and Implementation Insights. <https://i2insights.org/2017/01/05/deep-uncertainty-and-scenarios/>

Schmitt Olabisi, L. 2017. Systems Thinking 101. Posts in the System. <http://mommywithaphd.blogspot.com/2017/01/systems-thinking-101.html>

Schmitt Olabisi, L. 2016. Modeling as Empowerment. G. Bammer (*ed.*), Integration and Implementation Insights. <https://i2insights.org/2016/04/21/modeling-as-empowerment/>

Selected Presentations

(* indicates peer review) († indicates invited)

† “Moving public engagement out of the ‘service’ box.” Invited panelist at American Association for the Advancement of Science annual meeting, Washington DC, February 14, 2019.

* “Participatory, simulation-driven scenario analysis for long-term decision-making.” Presentation at 2018 Meeting of the Society for Decision Making Under Deep Uncertainty, Culver City, CA, November 15, 2018.

† “Participatory modeling: partnering with stakeholders for sustainability.” Presentation at the University of Iowa, October 5, 2018.

† “Méthodes participatives pour le développement agricole.” Presentation at Institute Polytechnique Rural, Koulikoro, Mali, July 18, 2018.

* “Using and evaluating participatory scenario tools for adaptation.” Presentation at Adaptation Futures 2018 with Karen Goldberg, Edmond Totin, Saskia Werners, Jeremy Richardson, Dorothy Tembo, Graeme Riddell, Torsten Grothmann, Teresa Perez. Capetown, June 19, 2018.

* “Understanding social-ecological systems through best practices in Participatory Modeling.” Presentation at Resilience 2017, Stockholm, 8/21/17 (with S. Gray, A. Voinov & P. Bommel).

“Climate Change Mitigation and Adaptation in the Nigerian Poultry Sector.” Poster Presentation at Alliance for African Partnership Launch, Dar es Salaam, Tanzania, 7/18/17 (with B. Osuntade & L.S.O. Liverpool-Tasie).

* “Explaining Agricultural Technology Adoption Using Choice Experiments and System Dynamics.” International Society for Ecological Economics, Washington DC, June 29, 2016.

* “Modeling farmer adoption of transformative technologies with Choice Experiments and System Dynamics.” Canadian/U.S. Society for Ecological Economics Joint Biennial Conference, Vancouver, BC, Oct. 3, 2015.

Media Appearances

- Cimons, Marlene. 2019. "Helping Flint Cope With Lead Pollution." *Nexus Media* published April 18, 2019: <https://nexusmedianews.com/helping-flint-cope-with-lead-pollution-4b039808f421>
- "Everything is Connected: an Interview with Laura Schmitt Olabisi." *Intervarsity: Women in the Academy and Professions* with Jasmine Obeyesekere, Fernando, May 31, 2018.
- Hurley, Amanda K. 2016. "Detroit is designing a city with space for everyone, including goats." *Next City* published June 6, 2016: <https://nextcity.org/features/view/detroit-comprehensive-urban-agriculture-proposal>
- "Models help communities plan for climate change." *WKAR Current State* with Emmanuelle Berry. March 11, 2014.

Selected Teaching Experience

- System Dynamics Short Course, Bamako, Mali, September 23-27, 2019
- Participatory Modeling Field School, Detroit MI, August 19-21, 2019
- Foundations of Community Sustainability (MSU CSUS 800)
- Short Course on Participatory Modeling at RAND Corporation, February-March 2017
- History of Environmental Thought and Sustainability (MSU CSUS 310)
- Grantwriting and Fund Development (MSU CSUS 433)
- Introduction to Modeling Environmental and Social Systems (MSU ESP 850)
- Modeling Natural Resource Systems (MSU CSUS 836)
- Introduction to Environmental Science and Policy (MSU ESP 800)
- Foundations of Community, Agriculture, Recreation and Resource Studies (MSU ACR 800)

Selected Honors and Awards

- MSU Distinguished Partnership Award for Community Engaged Teaching, 2019
- Leshner Leadership Institute Public Engagement Fellow, AAAS, 2018-19
- Global Fellow, Michigan State University, 2013-2014
- Environmental Faculty Fellow, Michigan State University, 2010-2012
- Invited participant, DISCCRS IV (NSF-sponsored symposium for early career scientists working on climate change), November 2-9, 2008.

Selected Facilitation Experience

- Participatory Modeling of Michigan Food Systems, Flint, MI, March 4, 2019
- Participatory Modeling workshop in Iowa City, Iowa, October 5, 2018
- Participatory Modeling exercise around Climate Change Impacts on the Poultry Sector in Abeokuta, Kaduna, and Lagos, Nigeria, October 2017, January 2018, and June 2018.
- Participatory Modeling exercise around Climate Change Impacts on Human Health in Long Beach, CA, March 20, 2017
- Introduction to Systems Thinking & Modeling (community class), Detroit, November 29, 2016.
- Participatory modeling exercise around food security and urban livestock in Detroit. Innovations in Collaborative Modeling Conference, East Lansing, MI, June 14-15, 2016.
- Participatory modeling exercise around climate change and agriculture. Ibadan, Nigeria, June 1, 2016.

- Participatory modeling exercise around food security in Detroit. Innovations in Collaborative Modeling Conference, East Lansing, MI, June 5, 2015.
- Participatory causal loop diagramming around food security in Detroit. Detroit, May 6, 2015.

Selected Service and Outreach

- MSU Department of Community Sustainability Faculty Affairs Committee, 2014-2016; 2018-present (Committee Chair 2019-present)
- NSF DRMS reviewer, 2019
- Contributor, Intergovernmental Panel on Climate Change 'Africa' chapter, 2019
- NSF EPSCOR review panel member, 2016, 2017, 2018, 2019
- Department of Community Sustainability Kerr Fellowship Award Committee, 2018
- Reviewer, California Climate Assessment, 2018
- Conference Chair, United States Society for Ecological Economics Biennial Conference 2017
- Board member, Academy for Systems Change, 2017-2020
- Invited participant, Food Systems Modeling Workshop, Oxford, UK, 2016
- Reviewer, North Central Region Sustainable Agriculture Research & Education grants, 2016
- Invited participant, Socio-Environmental Synthesis Center workshop on *Synergizing public participation and participatory modeling methods for action oriented outcomes*, 2016-2018
- Invited participant, Socio-Environmental Synthesis Center workshop on Socio-Environmental Data Explorer, June 2015
- Reviewer, Wisconsin Sea Grant, 2015

Graduate Students and Postdoctoral Mentoring

- Pat McKay (Ph.D. Student, MSU), Major advisor
- Kyle Metta (Ph.D. Student, MSU), Major advisor
- Udit Sanga (Ph.D. Student, MSU), Major advisor/guidance committee chairperson. Graduated 2019. Dissertation title: Beyond Adaptation: Exploring transformative pathways to socio-ecological resilience in agricultural systems in Mali.
- Obafemi Elegbede (Ph.D. Student, MSU), Major advisor/guidance committee chairperson. Graduated 2019. Dissertation title: Off-Grid Solar Electricity Adoption in Nigeria.
- Jelili Adebisi (Ph.D. Student, MSU), Major advisor/guidance committee chairperson. Graduated 2019. Dissertation title: A Livelihood and Systems-Based Approach for Understanding Drivers of Adoption and Disadoption of Organic Farming in Ibadan, Nigeria.
- Nahid Sattar (Ph.D. Student, MSU), Major advisor/guidance committee chairperson. Graduated 2019. Dissertation title: The Freshwater Aquaculture Revolution in Bangladesh: Impacts on Land, Water and Livelihoods.
- Onyinye Choko, visiting student under Nigeria Agricultural Policy Project, faculty advisor 2018-19
- Stella Chude-Chimela, visiting student under Nigeria Agricultural Policy Project, faculty advisor 2017-18
- Charity Ekerebi, visiting student under Nigeria Agricultural Policy Project, faculty advisor 2016-17.
- Dr. Naila Nazir (Fulbright faculty scholar, 2015, University of Peshawar, Pakistan), faculty advisor

- Kyle Metta (M.S. Student, MSU), Major advisor/guidance committee chairperson. Graduated 2016. Thesis title: Time Famine in an Age of convenience: A Systems Perspective on Food Insecurity in Detroit.
- Tum Nhim (USAID BHEARD M.S. Student, MSU), Major advisor/guidance committee chairperson. Graduated 2015. Thesis title: Towards Building Drought Resilience of Rice Production in Cambodia From a System Dynamics Perspective.
- Sarah Herbst (M.S. Student, Michigan State University), Major advisor/guidance committee chairperson. Graduated 2011. Thesis title: Mining in the Caraga Region, Philippines: Insiders' Perspectives on Emergent Social and Environmental Problems

Professional Memberships

International Society for Ecological Economics, System Dynamics Society, Ecological Society of America, Sigma Xi, AAAS

Journal Reviews

Years served as a reviewer indicated in parentheses.

Agronomy for Sustainable Development (2017)

Bioinformatics (2018)

Biomass and Bioenergy (2010)

Climate Risk Management (2019)

Climatic Change (2010, 2012)

Computer Engineering (2018)

Ecological Economics (2009, 2012)

Ecological Modelling (2019)

Ecology & Society (2015)

Elementa (2016)

Energy Policy (2010, 2013, 2017)

Environment, Development and Sustainability (2009)

Environmental Management (2012)

Environmental Modeling & Software (2015, 2017, 2018, 2019)

Environmental Science & Policy (2017)

Environmental Science & Technology (2008, 2009, 2010, 2012, 2013, 2014, 2017)

Foods (2019)

Futures (2015, 2019)

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