

Mysha Clarke, PhD
Curriculum Vitae

School of Forest Resources & Conservation
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EDUCATION

- 2018 Ph.D., Natural Resource Social Science, Purdue University, West Lafayette, IN
Dissertation: “*The Human Dimensions of Invasive Plant Management on Family Forestlands: A Case Study of Indiana*”.
Advisor: Dr. Zhao Ma
- 2013 B.A., Economics, minor: Spanish, Kalamazoo College, Kalamazoo, MI.
Senior thesis: “Energy Recovery from Landfills: A Jamaican Case Study”
- 2011 – 2012 Intensive study abroad program, Universidad San Francisco de Quito,
Cumbaya, Ecuador

PROFESSIONAL EXPERIENCE

- 2020 – Present *Assistant Professor of Human Dimensions of Natural Resources*, School of Forest Resources and Conservation, University of Florida, Gainesville, FL
- 2018 – 2019 *Postdoctoral Teaching Fellow*, Geography and the Environment, Villanova University, Villanova, PA
- 2014 – 2018 *Graduate Research Assistant*, Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN
- 2016 – 2017 *Field Interviewer*, Survey Research Center Institute for Social Research, University of Michigan, Ann Arbor, MI
- 2013 – 2014 *Field Instructor*, Cuyahoga Valley Environmental Education Center, Peninsula, OH
- 2009 – 2013 *Student mentor*, Kalamazoo College Service Learning, Kalamazoo, MI
- 2012 – 2013 *Career Associate*, Kalamazoo College, Kalamazoo, MI
- 2012 *Community Outreach Intern*, Legal Services of Southwest Michigan, Kalamazoo, MI
- 2011 *Canvasser*, Fund for the Public Interest, Environment Connecticut, West Hartford, CT

PEER-REVIEWED JOURNAL ARTICLES

- Synder, S., Ma, Z., Floress, K. and **Clarke, M.** 2020. Relationships between absenteeism, conservation group membership, and land management among family forest owners. *Land Use Policy*. Accepted. In Press.

- Johnson, L., Johnson, M., Aronson, M., Campbell, L., Carr, M., **Clarke, M.** et al. 2020. Conceptualizing social-ecological drivers of change in urban forest patches. *Urban Ecosystems*. Accepted. In Press.
- Clarke, M.**, Ma, Z., Snyder, S., Floress, S. 2019. What are family forest owners thinking and doing about invasive plants? *Landscape and Urban Planning*, (188) 80-92.
- Clarke, M.**, Davidson, M., Egerer, M., Anderson, E. and Fouch, N. 2019. The underutilized role of community gardens in improving the resilience of cities to climate change: A review. *People, Place and Policy*, 12 (3) 241-251.
- Ma, Z., **Clarke, M.**, Church, S. 2018. Insights into individual and cooperative invasive plant management on family forestlands. *Land Use Policy*, (75) 682-693.
- Anderson, E., Egerer, M., Fouch, N. and **Clarke, M.** 2019. Comparing community garden typologies of Baltimore, Chicago, and New York City (USA) to understand potential implications for socio-ecological services. *Urban Ecosystems*, 22 (4) 671-681.
- Clarke, M.**, Roman, L. and Conway, T. 2020. Communication about emerald ash borer in the news media: Militaristic and fatalistic framings. In Review.
- Fouch, N., Anderson, E., Egerer, M, **Clarke, M.** and Davidson, M. 2019. Socio-ecological connectivity differs in magnitude and direction across urban landscapes. *Scientific Reports*. In Review.

MANUSCRIPTS IN PREPARATION

- Clarke, M.**, Ma, Z. Protection Motivation Theory as a predictor of family forest owners and invasive plant management. *Journal of Environmental Management*. In Preparation.
- Clarke, M.**, Ma, Z., Snyder, S. and Floress, K. Social influence theory and collective efficacy beliefs on family forest owners' attitudes, behaviors and decision-making about invasive plant management. *Society and Natural Resources*. In Preparation.

EXTENSION PUBLICATIONS

- Clarke, M.**, Ma, Z., Snyder, S., Floress, K. 2017. Private woodland owners and invasive plant management in Illinois. The Voice for Illinois Forests, Volume 12 Issue 2, Summer 2017. Available at: <https://www.ilforestry.org/>.
- Clarke, M.**, Ma, Z. 2017. What do our private woodland owners know and are doing about invasive plants in Indiana? Indiana Woodland Steward, Volume 26, Number 1, Spring 2017. Available at: <http://www.inwoodlands.org/what-do-our-private-invasive/>.
- Clarke, M.**, Ma, Z. 2017. Invasive Plants: Impact on Environment and People. Nature of Teaching Lesson Plan. Purdue University Cooperative Extension Service Publication,

FNR-535-W. Available at: https://edustore.purdue.edu/item.asp?Item_Number=FNR-535-W.

- George, H., Diane, H. L., Carolyn, P., Scott, E., Lori, M., Ma, Z., & **Clarke, M. K.** (2018). Forest Nursery Seedling Production in the United States—Fiscal Year 2017. USDA Forest Service, 61(2), 18-22. Available at: <https://rngr.net/publications/tpn/>.
- Hernández, G., Haase, D.L., Pike, C., Enebak, S., Mackey, L., Ma, Z., **Clarke, M.** 2017. Forest Nursery Seedling Production in the United States—Fiscal Year 2016. Tree Planters' Note 60(2): 24-28. Available at: <https://rngr.net/publications/tpn/60-2>.
- Hernández, G., Pike, C., Haase, D.L., Enebak, S., Ma, Z., **Clarke, M.**, Mackey, L. 2016. Forest Nursery Seedling Production in the United States—Fiscal Year 2015. Tree Planters' Note 59(2): 20-24. Available at: <https://rngr.net/publications/tpn/59-2>.

TEACHING EXPERIENCE

University of Florida, School of Forest Resources and Conservation, Gainesville, Florida

- Spring 2020 Co-instructor, FOR 3202 Society and Natural Resources
Spring 2020 Co-instructor, FOR 2663, Forests for the Future

Villanova University, Department of Geography and the Environment, Villanova, Pennsylvania

- Fall 2019 Instructor of Record, GEV 3001, Introduction to Sustainability Studies
Fall 2019 Instructor of Record, GEV 4333, Environmental Policy
Spring 2019 Instructor of Record, GEV 3001_001; GEV 3001_002, Introduction to Sustainability Studies
Fall 2018 Instructor of Record, GEV 3001, Introduction to Sustainability Studies
Fall 2018 Instructor of Record, GEV 4333, Environmental Policy

Purdue University, West Lafayette, Indiana

- Fall 2016 Teaching Assistant, FNR 58000, Research Methods for Natural Resource Social Sciences, Department of Forestry and Natural Resources
Spring 2016 Teaching Assistant, FNR 22310/POL 22300, Introduction to Environmental Policy, cross-listed by the Departments of Forestry and Natural Resources and Political Science
Fall 2015 Teaching Assistant, FNR 23000 World Forests and Society, Department of Forestry and Natural Resources
Spring 2015 Teaching Assistant, FNR 37500 Human Dimensions of Natural Resource Management, Department of Forestry and Natural Resources

Cuyahoga Valley Environmental Education Center

- 2013 – 2014 Field Instructor, Cuyahoga Valley Environmental Education Center, Peninsula, OH

INVITED TALKS

- Clarke, M., Ma, Z., Snyder, S. and Floress, K.** 2019. Oral presentation entitled “Managing invasive plants on family forestlands: Lessons learned from Indiana's landowners”,

presented as part of the organized session “Bridging the Research Community: Whole Systems Approach for Temperate Deciduous Forests”. Ecological Society of America. Louisville, KY.

- Sherren, K., **Clarke, M.**, Liu, J., Prokopy, L. and 2019. “Standing on the shoulders of sameness? Developing Strategies to overcome implicit biases in citation and publication practice”. A panel member at the International Symposium for Society and Resource Management. Oshkosh, WI.
- Stephens Williams, P., Reyna, R., **Clarke, M.**, Shupp, S., Lewis, D. 2017. “You’ve been told to be more inclusive – So NOW what?” A panel member at the Society of American Foresters National Convention. Albuquerque, New Mexico.
- Clarke, M.**, Ma, Z. 2016. “Invasive plant management in Indiana: Family forest owners and forestry professional perspectives, challenges and behaviors.” Oral presentation at the Indiana Society of American Foresters Forest Pesticide Training Program. Danville, IN.
- Clarke, M.**, Ma, Z. 2016. “Managing invasive plants: Lessons learned from family forest owners in Indiana.” Oral presentation at the Indiana Nut and Fruit Growers Association Annual Meeting, West Lafayette, IN.

PROFESSIONAL PRESENTATIONS

- Clarke, M.**, Anderson, E., Egerer, M. Fouch, N. and Davidson, M. 2019. A missed opportunity to enhance cities’ adaptation to climate change? The case of urban community gardens in Chicago, Baltimore and New York City, USA. A poster presentation at the 25th International Symposium for Society and Resource Management. Oshkosh, WI.
- Morzillo A, Johnson M, Johnson L, Campbell L, Aronson M, Bowers A, Carr M, **Clarke M.**, D’Amico V, and others. Social and ecological drivers of change over time in urban forest patches across five North American cities. IALE World Congress, Milan, Italy.
- Clarke, M.**, Ma, Z. Synder, S. and Floress, K. 2018. Promoting landscape level forest invasive plant control through collective actions: Opportunities and barriers. Oral presentation at the 24th International Symposium for Society and Resource Management. Salt Lake City, Utah.
- Clarke, M.**, Ma, Z., 2017. Understanding the Challenges and Opportunities for Engaging Family Forest Owners in Invasive Plant Management. Oral presentation at the Society of American Foresters National Convention. Albuquerque, New Mexico.
- Clarke, M.**, Ma, Z., Floress, K., Snyder, S. 2017. Factors influencing family forest owners’ decisions to engage in invasive plant control. Oral presentation at the 23rd International Symposium on Society and Resource Management. Umea, Sweden.
- Clarke, M.**, Ma, Z., Floress, K., Snyder, S. 2016. Strategies to combat invasive plants in forest ecosystems: Lessons learnt from Indiana family forest owners. Oral presentation at the 22nd International Symposium on Society and Resource Management. Houghton, MI.
- Clarke, M.**, Ma, Z. 2015. Poster presentation at the 9th annual Ecological Sciences and Engineering Symposium Poster Competition. Purdue University, West Lafayette, IN.
- Clarke, M.**, Ma, Z. 2015. Facilitating informed decision making to prevent and control invasive plants: A study of Indiana’s family forest owners. Oral presentation at the 21st International Symposium on Society and Resource Management. Charleston, SC.
- Clarke, M.** 2013. Energy recovery from landfills: A Jamaican case study. Oral presentation at the 4th Kalamazoo College Sustainability SIP Symposium, Kalamazoo, MI.

SCHOLARSHIPS AND AWARDS

- 2017 First place winner, Ph.D. Research Poster Award, Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN
- 2016 – 2017 Diversity Scholarship Award, Society of American Foresters (SAF)
- 2016 – 2017 Diversity Ambassador (SAF)
- 2016 30 under 30 Caribbean American Emerging Leaders Award, Institute of Caribbean Studies
- 2014 – 2015 Ross Fellowship, Purdue University, West Lafayette, IN
- 9/2015 Audience Choice Awards, 9th Annual Purdue University Ecological Sciences and Engineering (ESE) Symposium 3-minute thesis competition, West Lafayette, IN
- 6/2015 Student and Early Career Professional Scholarship, International Symposium on Society and Resource Management (ISSRM)
- 2009 – 2013 Trustee Award, Kalamazoo College
- 2012 Donald Switzenberg Environmental Science Scholarship, Kalamazoo College

FELLOWSHIPS

- 2018 – Present Research Pursuit Fellow, National Center for Socio-Environmental Synthesis, Annapolis, MD
Collaborative, interdisciplinary synthesis research on the social and ecological drivers of change overtime in urban forest patches in five U.S. metropolitans: New York City, Philadelphia, Chicago, Baltimore and Washington D.C.
- 2017 – 2018 Graduate Fellow, National Center for Socio-Environmental Synthesis, Annapolis, MD
Synthesis research on the social and ecological indicators that enhance urban garden connectivity in Chicago, New York City and Baltimore. Collaborate and co-designed a socio-environmental synthesis project with 4 other doctoral students at University of Arizona, University of California – Santa Cruz, Clemson University and University of Illinois Urbana.
- 2015 – 2016 AAAS Emerging Leader in Science and Society Fellow, Washington, DC
Investigated an interdisciplinary, multi-institutional and cross-boundary societal challenge through a community service project about drinking water quality in the United States. We designed public forums and discussions for community stakeholders and policymakers in Washington D.C. to help address this challenge. Collaborated with 15 other graduate students from Washington University – Seattle, Duke University, University of California-Irvine and University of North Carolina Chapel Hill to address drinking water issues that was important at local and national scales to improve our leadership capacities, systems thinking and collaboration.

UNIVERSITY, PROFESSIONAL, AND COMMUNITY SERVICE

- 2018 – Present Member, Environmental Studies Tract Development Committee, Villanova

	University, Villanova, Pennsylvania
2018 – Present	Reviewer, <i>Forest Ecosystems</i>
2017 – Present	Reviewer, <i>Society and Natural Resources</i>
2017 – Present	Member, Diversity and Inclusion Working Group, Society of American Foresters
2016 – 2018	Peer mentor, Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN
2017 – 2018	Peer mentor, Mentoring at Purdue, College of Agriculture, Purdue University, West Lafayette, IN
2016 – 2017	Member, Sustainability Committee, Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN
2016	Co-Organizer, public forum, titled “Drinking water quality of private wells in Greater Lafayette and surrounding communities”
Fall 2016	Visiting Scholar, GK-12 program, Tecumseh Junior High School, Lafayette, IN
2015	Facilitator, Health Risks Communication Workshop, Purdue University, West Lafayette, IN
10/2015	Volunteer, GIS High School Program, Purdue University, West Lafayette, IN
09/2015	Poster judge, Summer Undergraduate Research Fellowships Symposium, Purdue University, West Lafayette, IN
06/2015	Volunteer, Indiana 4-H Youth Roundup, Purdue University, West Lafayette, IN
2011 – 2012	Tutor, Ethnic Diversity Office, Universidad San Francisco de Quito, Ecuador

LEADERSHIP POSITIONS

2016 – 2018	Student Representative-Elect, International Association for Society and Natural Resources
2015 – 2016	President, Caribbean Students Association, Purdue University
2012 – 2013	Vice President, Caribbean Society, Kalamazoo College, Kalamazoo, MI
2010 – 2011	Resident Advisor, Residential Life, Kalamazoo College, Kalamazoo, MI

GRANTS RECEIVED

10/2017	Travel grant, Purdue Climate Change Research Center, Purdue University, West Lafayette, IN. \$300.
3/2017	Andrews Blosser Environmental Travel Grant, Purdue University, West Lafayette, IN. \$1500
3/2017	Ismail Interdisciplinary Travel Grant, Purdue University, West Lafayette, IN. \$1000
10/2016	Service Learning Grant, Office of Engagement, Purdue University, West Lafayette, IN. \$500
4/2012	Beeler Project Grant, Kalamazoo College, Kalamazoo, MI. \$800
2011	Kopecky Travel Award, Kalamazoo College, Kalamazoo, MI

WORKSHOPS

2017	Responsible Authorship and Publication in Liberal Arts & the Humanities,
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- 6/2017 Purdue University, West Lafayette, IN
Grant Writing Workshop, International Symposium for Society and Resource Management, Umea, Sweden
- 6/2017 Introduction to Spatial Agent-Based Modeling, National Center for Socio Environmental Synthesis (SESYNC), Annapolis, MD
- 5/2016 Introduction to Socio-Environmental Synthesis, National Center for Socio Environmental Synthesis (SESYNC), Annapolis, MD
- 2015 Grant and Proposal Writing Workshop, Purdue University, West Lafayette, IN

ORGANIZATIONAL AFFILIATIONS

- 2016–Present Member, Society of American Foresters
- 2015–Present Member, International Association for Society and Natural Resources
- 2014–2018 Member, National Association for Interpretation

CERTIFICATES

- 05/2014 Certified Interpretive Guide, National Association for Interpretation
- 05/2014 Certified Environmental Educator, Environmental Education Council of Ohio
- 04/2014 Leopold Educator Workshop, Leopold Education Project
- 02/2014 Project WET Educator, Cuyahoga Valley Environmental Education Center
- 12/2013 Project WILD Educator, Cuyahoga Valley Environmental Education Center
- 02/2011 Certificate of Completion, Kalamazoo College Social Justice Training