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Our thanks to the U.S. Fish & Wildlife Service for their in-kind services



Research Conference

*"Invasive Plants and Global Change:
Addressing the
Challenges of Tomorrow"*

October 27, 2023

9 a.m. - 3:30 p.m.

Nationwide & Ohio Farm Bureau
4-H Center
Columbus, Ohio

Ohio became the first state to stop
selling Callery pear in January 2023



OIPC CONFERENCE SPEAKERS

Dr. Lew Ziska is currently an Associate Professor in the Environmental Health Sciences at the Mailman School of Public Health at Columbia University. Lew began his career as a Smithsonian fellow, then was the Project Leader for global climate change at the International Rice Research Institute in the Philippines prior to a 24-year career at the USDA's Agricultural Research Service. He has worked primarily on documenting the impact of climate change and rising carbon dioxide levels on plants, including how it affects crop selection, agronomic pests, and public health impacts. Lew was a contributor to five International Panel on Climate Change (IPCC) reports, as well as to the 2014 and 2018 National Climate Assessment (NCA), and helped lead the 2016 special NCA report on climate and health, *The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment*.

Dr. Evelyn Beaury received her PhD from the University of Massachusetts Amherst where she studied the spatial ecology and biogeography of plant invasions in the context of climate change. This work included research and outreach on the management and policy of invasive plants, working with stakeholders to proactively prevent invasive plant introductions. Evelyn is now a postdoctoral researcher at Princeton, where she has broadened her research to think spatially about how to increase carbon storage via changes in land use and land management.

Theresa Gruninger is a senior aquatic invasive species program specialist at the Great Lakes Commission. She splits her time on multiple invasive species projects including the Great Lakes *Phragmites* Collaborative, the Great Lakes Panel on Aquatic Nuisance Species, the Invasive Mussel Collaborative, the Great Lakes Aquatic Invasive Species Landing Blitz and more. She has been with the Great Lakes Commission since 2021.

Dr. Deah Lieurance is an Ohio native and an Assistant Professor of Invasive Species Biology and Management at Penn State. Previously, she worked at the University of Florida as an Extension Scientist and for USDA in Ft. Lauderdale working on biocontrol. Her research and extension work centers around invasive species prevention and prioritization using decision support tools and horizon scanning. She is the 2021 recipient of North American Invasive Species Management Association's Rita Beard Visionary Leadership Award. She was the chair of the Florida Invasive Species Council (FISC) from 2019-2023 and serves as the President of the Invasion Ecology Section of the Ecological Society of America.

Dr. Kali Mattingly is a statistician with the USEPA's Great Lakes research office in Duluth, Minnesota, where she collaborates on a variety of ecotoxicology and ecology projects. For her graduate research, Kali studied the ecology and evolution of invasive plants, working primarily with lesser celandine and purple loosestrife, for which she received an OIPC grant in 2016.

David Listerman is a Certified Arborist and the co-owner of Listerman and Associates. His forty years' experience in the industry has included managing a wholesale yard, being an outside sales representative of a 9 mid-western state territory, and co-owner of a horticultural brokerage company. Throughout his career, David has worked with over 200 nursery growers, multiple landscape architects, and contractors, giving him a unique opportunity to appreciate the many facets within the industry.

Thank you to Callery Pear Sponsor

LISTERMAN & ASSOCIATES INC. for today's conference venue.



RESEARCH CONFERENCE AGENDA

- 8:30 AM **Registration and refreshments** (Sponsor: Greenacres Foundation)
- 9:00 AM **Welcome** — Emily Rauschert, Conference Chair, OIPC Board, and Cleveland State University
- 9:10 AM **Keynote Speaker Introduction** — Emily Rauschert, Conference Chair
- 9:15 AM **KEYNOTE: Carbon Dioxide, Climate Change, and Invasive Plants** — Lew Ziska, Columbia University
- 10:15 AM **Coffee Break** (Sponsor: Ohio Stream & Wetlands Foundation)
- 10:30 AM **Building Consistent and Proactive Invasive Species Policies and Management** — Evelyn Beaury, Princeton University
- 11:00 AM **The Phragmites Adaptive Management Framework: Managing Phragmites with Science on your Side** — Theresa Gruninger, Great Lakes Commission
- 11:30 AM **Poster Session** (Sponsor: Ohio Green Industry Association)
- 12:15 PM **Lunch and Annual Meeting** (Sponsor: Columbus & Franklin Co. Metro Parks)
- 1:15 PM **Cultivating Resilience: Invasive Species Prevention and Prioritization in a Changing Climate** — Deah Lieurance, Pennsylvania State University
- 1:45 PM **Purple Loosestrife – Horticultural Darling and Model Invader** — Kali Mattingly, OIPC grant recipient and USEPA
- 2:00 PM **Meeting the Challenges of Nursery Grown Invasives** David Listerman, OIPC Board and Listerman & Associates
- 2:30 PM **Coffee Break** (Sponsor: The Conservationist LLC)
- 2:45 PM **Rapid Updates of Ohio Invasive Plant Management Projects:**
A Potential New Nemesis for Garlic Mustard? Identifying and Reporting a Newly Arrived Garlic Mustard Specialist Aphid -- Rebecah Troutman, Holden Forests and Gardens
Target Cattails & Phragmites with Precision & Accuracy: Mitigate Overspray with the Handwick Method -- Maureen Bogdanski, DNAP
Lessons from the Ground: Survival and Performance of Planted Seedlings Following Honeysuckle Removal Across Central Ohio Riparian Forests -- Charlie Flower, USDA Forest Service Northern Station
A Strategy for Invasive Plant Removal in High Quality Natural Areas -- Brian Yahn, Great Parks of Hamilton County
Habitat Management Efforts at Cranberry Bog State Nature Preserve -- Madison Brown, Cedar Bog Nature Preserve
Using Livestock and Non-timber Forest Products to Incentivize Woodland Invasive Plant Management -- Matt Davies, OSU Extension
- 3:15 PM **Panel Discussion and Wrap-up** — Emily Rauschert, Conference Chair