

Agenda

Focus on Native Plants in the Landscape Historic climate zones and effects of climate change Native and engineered soils Native plant surveys and preservation efforts Nativars and cultivars	<i>N. Pilla</i>
Environmental Benefits of Native Plants Pollinator preferences Native trees, shrubs and vines for native pollinators Benefits for other native species Principles of ecological landscape	<i>J. Pizzo</i>
Nature Ignores Design that Ignores Nature Observing natural and historic patterns for site planning, native landscape and green infrastructure	<i>T. Mortensen</i>
Native Plants and Wildlife Birds and native plants Creating habitat with native plants Deer-resistant native shrubs Deer-resistant native perennials	<i>K. Gerich</i>
Climate Change and Native Plants Impacts of climate change on native plant species Changes in phenology and the impact to wildlife Pros and cons of assisted migration of native species Response of invasive plants to climate change	<i>A. Dykstra</i>
Native Alternatives to Invasives and Commonly Used Ornamentals Benefits of native plants vs. non-natives Common native alternatives	<i>A. Schneider</i>

Great Lakes Region Native Plant
Workshop: Native Plants in the
Managed Landscape
Live, Interactive Webinar - Friday, September 13, 2024

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Learning Objectives

You'll be able to:

- Consider** historic climate zones and the effects of climate change.
- Identify** the environmental benefits of native plants for pollinators, birds and wildlife.
- Observe** natural and historic patterns for site planning.
- Discuss** the impact of changes in phenology due to climate change.
- Identify** deer-resistant shrubs and native perennials.
- Examine** native alternatives to invasives and commonly used ornamentals.

HalfMoon Education Inc.,
Your LIVE Education Leader Presents

Great Lakes Region Native Plant Workshop: Native Plants in the Managed Landscape

Live, Interactive Webinar - Friday, September 13, 2024



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| Focus on native plants in the Great Lakes Region | Consider the relationship between native plants and wildlife |
| Explore the environmental benefits of native plants | Discuss the effects of climate change on native plants |
| Observe natural and historic patterns for site planning | Identify native alternatives to invasives and ornamentals |

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Webinar Information

Online - Friday, September 13, 2024

Log into Webinar 8:30 - 9:00 am CDT	Second Session 11:30 am - 1:30 pm CDT
First Session 9:00 - 11:00 am CDT	Break 1:30 - 2:00 pm CDT
Break 11:00 - 11:30 am CDT	Third Session 2:00 - 4:00 pm CDT

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Faculty

Nathanael J. Pilla is a charismatic botanist, performer, and teacher, and when not writing, singing, or botanizing, he is studying philosophy. He fell in love with plants while living in Minneapolis and moved to Indiana to pursue Botany where he received his master of science degree in Biology from Purdue University. Mr. Pilla is an active public speaker and nature enthusiast whose written work has appeared in peer-reviewed journals, including the *Great Lakes Botanist* and *Proceedings of the Indiana Academy of Science*. His most recent publication was the book, *Wildflowers of the Indiana Dunes National Park*, published by Indiana University Press and co-written by botanist Scott Namestnik. Mr. Pilla is the President and Senior Botanist of Midwest Biological Survey, LLC. Currently residing in northwest Indiana, he continues to enrich his community with his knowledge and infectious love for the natural world.

Jack Pizzo, MS, PLA, ASLA, CPBM, ICN is the founder and principal of The Pizzo Group. Founded in 1988, The Pizzo Group is one of the Midwest's largest ecological restoration firms. The firm has earned over 170 industry awards. Mr. Pizzo is the author of the book, *Green and Natural Spaces in Your Community*, and serves on multiple boards for conservation organizations and prescribed fire groups. He is an expert in successfully restoring natural areas and growing deep-rooted, native plants. At Pizzo Group, he is charged with scientifically evaluating current ecological restoration practices for the enhancement and/or establishment of native flora and fauna. This includes identifying and implementing methods of improvement for the materials and processes used to ensure ecosystems thrive. Mr. Pizzo is also a past president of the Illinois Chapter of the American Society of Landscape Architects (ASLA). He is committed to sustainability and naturally beautiful habitats.

Tom Mortensen, PLA, ASLA is a site planner and landscape architect with the Milwaukee office of raSmith. He has over 35 years of experience in site design, landscape architecture and related design and construction professions. Mr. Mortensen has expertise in site planning, urban spaces, park and public open space design, memorials / public plazas, retail developments, restoration plans and integrated stormwater management / green infrastructure. Mr. Mortensen has worked on design projects with for US Forest Service, National Park Service, Boy Scouts of America, Native American Tribes and the U.S. Department of Veterans Affairs. He has given presentations throughout the region at various conferences and events on topics pertaining to site design, master planning, rainfall integration / green infrastructure, water quality and site development. Since 2011, he has been teaching a class at the UWM School of Continuing Education in the Water Technology Certification program on the topic of green infrastructure and using native landscape and site design for more resilient management of rainfall on sites.

Kerry L. Gerich, PLA, ASLA, CLARB is a landscape designer with EDGE. She earned a BSLA degree from The Ohio State University and studied ornamental horticulture at Longwood Gardens in Kennett Square, Pennsylvania. Her diverse experience in horticulture and environmental design provides a nuanced perspective to the collaborative process with a focus on sustainability. Most notable projects include The Glass City Riverwalk in Toledo, Ohio. This revitalization project activates the waterfront with new paths and gathering spaces and uses a regionally native plant palette to enhance the natural character of the Maumee River. Ms. Gerich has also contributed to various additional projects including estate residential, mixed-use development, and sports and recreation master plans. She is a master gardener volunteer through The Ohio State University Extension Office, and she serves on their native plant propagation committee.

Amy Dykstra is a professor and chair of the Department of Biological Sciences at Bethel University in St. Paul, Minnesota. A native of western Nebraska, she earned a B.A. degree in Biology from the University of Colorado-Colorado Springs, a B.S. degree in Secondary Science Education and an M.S. degree in Botany from the University of Wyoming, and a Ph.D. degree in Plant Biological Sciences from the University of Minnesota. She taught high school science for 13 years, including 11 years at the Alliance Academy in Quito, Ecuador, before taking her first faculty position in higher education. She has been teaching at Bethel University since 2011. Ms. Dykstra's research interests include the ecology, conservation, and population genetics of native plants. She has been studying Echinacea angustifolia, narrow-leaved purple coneflower, since 2007, in collaboraton with the Echinacea Project. On Bethel's campus, Ms. Dykstra is involved with a multi-year project studying of the effectiveness of goat grazing to control native buckthorn.

Adam Schneider is an Assistant Professor in Biology at the University of Wisconsin LaCrosse. He specializes in parasitic plants, native plants of Wisconsin, plant taxonomy and systematics, natural history collections and citizen science. He currently teaches Organismal Biology, Plant Biology and Plant Taxonomy. Dr. Schneider earned his B.S. degree, *summa cum laude*, from UW-Eau Claire and his Ph.D. degree in Integrative Biology from the University of California, Berkeley.

Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers, 6.0 HSW continuing education hours for licensed architects, and 6.0 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

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