

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>T. Neal</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>B. Pennisi</i>
Native Alternatives to Invasives and Commonly Used Ornamentals Benefits of native plants vs. nonnatives Risk assessment Resident species vs invasive species	<i>S. Wilson</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>T. Neal</i>
Native Plants to Support Florida's Native Bees Guidelines for gardening for bees Plants identified for bees	<i>R. Mallinger</i>
The Native Plants in Coastal Restoration and Protection The hazards associated with invasive species in the coastal environment Benefits of native species in coastal ecosystems Examples of working with nature as a partner in coastal protection Climate change impacts	<i>P. Hanrahan</i>

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Florida Native Plant Workshop: Native Plants in the Managed Landscape

Live, Interactive Webinar - Wednesday, March 20, 2024

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Learning Objectives

You'll be able to:

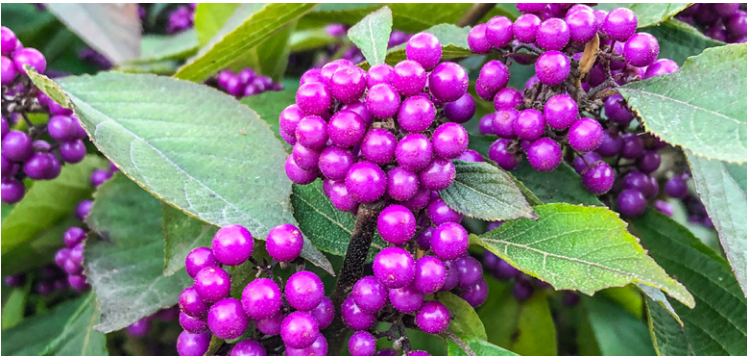
- Discuss** native plant surveys and explore the differences between nativars and cultivars.
- Consider** the environmental benefits of plants for pollinators and native species in general.
- Examine** the principles of ecological landscaping.
- Discuss** the risks associated with invasive and nonnative species.
- Explore** the pros and cons of assisted migration of native species.
- Identify** the benefits of native species in coastal ecosystems.



HalfMoon Education Live Webinars

Florida Native Plant Workshop: Native Plants in the Managed Landscape

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| Discuss native plant surveys and preservation efforts | Examine the impact of climate change on native plants |
| Explore the environmental benefits of native plants | Identify the benefits of native plants for bees |
| Consider native alternatives to invasives and commonly used ornamentals | Learn about the importance of native plants in coastal environments |

Continuing Education Credits

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

Tuition
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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 Florida.

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The Landscape Architecture Continuing Education System has approved this course for 6.0 HSW PDHs. Only full participation is reportable to the LA CES.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

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6.0 HSW LUs (AIA)
6.0 HSW PDHs (LA CES)

Faculty

Trecia E. Neal *Owner of Green Gardens Education and Designs*
Trecia E. Neal is the owner of Green Gardens Education and Designs. Prior to that, she was a biologist at Fernbank Science Center in Atlanta for over 30 years. She retired in 2017. Her areas of expertise are composting, vermicomposting, ornithology, environmental education, establishing outdoor classrooms and wildlife gardens and educating the public about the wonders of monarchs. Ms. Neal has a bachelor’s degree in Biology and a master’s degree in Science Education with an emphasis in animal behavior. She is the recipient of the Outstanding Biology Teacher Award for Georgia from the National Association of Biology Teachers in recognition of her career’s work in environmental education. She has served the project director for the School Master Gardener program that trained over 300 Master Gardeners from 50 different schools across DeKalb County. Ms. Neal formed an LLC called Green Gardens Education and Designs (GGED) and works with homeowners to make their residence a part of the solution, instead of it being part of the problem. When a customer works with GGED, they can expect a design that uses over 30 years of knowledge and experience and takes into consideration how a space is utilized by both humans and wildlife. This design will transform the landscape into both an aesthetically pleasing space and a space that is a part of the solution to the problems our earth is currently facing.

Bodie Pennisi, PhD
Professor and statewide Extension landscape specialist in the Department of Horticulture at the University of Georgia
Bodie Pennisi received her M.S. and Ph.D. degrees in 1999 from Environmental Horticulture Department of University of Florida in Gainesville. She joined the Horticulture Department at UGA in 2000. Dr. Pennisi is responsible for planning and coordinating a statewide Extension program to support the professional landscape industry and conducting applied research with emphasis on sustainable landscape practices such as biodegradable containers and microbial inoculants. Dr. Pennisi also conducts research on quantifying and qualifying floral provisioning resources for pollinators, biological enemies, and ecosystem services in urban and agricultural landscape contexts. She assists county Extension agents with landscape troubleshooting, landscape planning, and local programming. She teaches Master Gardener training classes on landscape installation and maintenance, WaterSmart landscapes, interiorscapes, herbaceous and woody ornamental plant selection, plant propagation and plant physiology. Dr. Pennisi serves on the boards of the statewide industry groups, Georgia Green Industry Association and the Georgia Urban Agriculture Council. She also serves as a scientific advisor to the board of the national non-profit organization Green Plants for Green Buildings (GPGB). Since 2014, she’s been serving as co-editor-in-chief of *Scientia Horticulturae* (Elsevier Publ.) Dr. Pennisi has received numerous publication awards from the American Society for Horticultural Sciences (ASHS), Southern Region ASHS, National Association of County Agriculture Agents (NAACA), and Southern Regional Extension Forester. Her past awards include Senior Extension Specialist (Georgia Association of County Agriculture Agents), Henry Covington Extension Award, NACTA Award of Merit, John Hutchison Young Extension Educator, Georgia Green Industry Educator of the Year, Georgia Society of Association of Executives, and Georgia Flower Grower Association Outstanding Educator.

Sandra B. Wilson, PhD *Professor University of Florida*
Sandra B. Wilson is a professor in the Department of Environmental Horticulture at the University of Florida (UF). She completed her B.S. and M.S. degrees from the University of Delaware, her Ph.D. from Clemson University and conducted postdoctoral studies at Clemson University and Chiba University, Japan. Her research focuses on characterizing the invasive potential of ornamental plants and native plant propagation and production. Complementary to this, she teaches courses in plant propagation, native landscaping, and annual and perennial gardening. Throughout her career she has been recognized with a number awards including the UF Undergraduate Teacher of the Year Award, the UF Roche Professorship Award, the American Society for Horticultural Science (ASHS) Outstanding Undergraduate Educator Award, and the ASHS Outstanding Graduate Educator Award. Most recently, she co-authored the world standard textbook *Hartmann and Kester’s Plant Propagation-Principles and Practices*, 9th edition. For her outstanding contributions to horticultural science and education, she holds the distinction of Fellow within International Plant Propagators Society (IPPS), American Society for Horticultural Science (ASHS), and the North American Colleges and Teaching of Agriculture (NACTA).

Dr. Rachel Mallinger
Assistant Professor, Pollinator Ecology and Conservation, University of Florida
Dr. Rachel Mallinger is a pollinator ecologist focusing primarily on native wild bees. She is interested in the basic biology of native wild bees, their response to anthropogenic disturbance, and their role in the pollination of both crop and wild plants. A major focus of her research program is to integrate approaches from landscape ecology and community ecology to better understand pollinator community dynamics and plant-pollinator interactions at multiple spatial scales. She conducts research in a variety of ecosystems, including natural, agricultural and urban, with the overarching goal of informing pollinator conservation and improving pollination services.

Peter Hanrahan *Certified professional in erosion and sediment control*
Mr. Hanrahan has more than 43 years of industry experience. In addition to presentations in Canada, Taiwan and the Dominican Republic, Mr. Hanrahan has also presented at the national level for many organizations, including the International Erosion Control Association, the Land Improvement Contractors of America, the Geotechnical Fabrics Institute, the National Working Waterfront Network, and the American Water Works Association. His articles have been published in many magazines, including *Erosion Control*, *Land & Water*, *Geosynthetics*, and *Landscape Architect and Specifier News*. He is a past national president of the International Management Council and served four terms as president of the Northeast Chapter of the International Erosion Control Association. He is also a member of the Senior Advisory Committee of Envirocert. Mr. Hanrahan has developed and delivered training events throughout his career. From 2008 to the present, he has organized coastal erosion control training events up and down the New England Coast, with multiple seminars in Maine, New Hampshire, Massachusetts, Rhode Island and Connecticut. Event co-sponsors for these events have included the Maine Department of Environmental Protection, Maine Sea Grant, the Rhode Island Coastal Management Council, the University of Rhode Island Coastal Resources Center, Connecticut College and Connecticut Sea Grant. He has also assisted with the development of erosion control standards with the Illinois Tollway Authority, and the State Departments of Transportation in New Hampshire, Vermont, Maine, Oklahoma, Missouri, Arkansas and Illinois.