
Education

PhD (2005)	<i>University of Florida Department of Agronomy</i> Plant Genetics and Breeding
MS (2000)	<i>North Carolina State University Department of Horticultural Science</i> Plant Breeding (minor – Statistics)
BS (1996)	<i>University of Florida Department of Environmental Horticulture – FLREC</i> Environmental Horticulture (highest honors)
AA (1990)	<i>Palm Beach Community College</i> Advertising Design

Experience – current position

01/2012 – present	<i>Assistant Professor: Aquatic and Wetland Plants (60% research, 40% extension)</i> University of Florida IFAS/FLREC – Fort Lauderdale; Department of Agronomy
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My primary research responsibility at the University of Florida is to serve as the aquatic plants lead for south Florida in cooperation with weed science faculty in the Agronomy Department and the Center for Aquatic and Invasive Plants in Gainesville. I conduct applied and basic research on the biology, physiology, ecology and integrated control methods for aquatic and wetlands weeds. I also investigate cultural techniques, herbicides and biocontrol agents for their control, including efficacy, mode of action, resistance and non-target effects. In addition, I investigate methods for propagation of native aquatic and wetland plants and develop techniques to improve the success rate of aquatic and wetland restoration and revegetation projects. My extension responsibilities include assisting in the coordination of State-wide extension education programming on aquatic and wetlands native and invasive plant species, providing training to county faculty, state and federal agency personnel and the commercial industry with an emphasis on herbicide application training for restricted use pesticide licenses and use of biological controls, and developing educational materials for distribution throughout the state to public agencies, commercial enterprises, professional societies and the public at large. I also provide leadership for the annual Aquatic Weed Short course held in south Florida. I publish in refereed journals, produce extension publications and obtain extramural funding to support my research and extension programs. I actively participate in undergraduate education and graduate education by chairing graduate committees, serving on graduate committees, supervising thesis and dissertation research, supervising undergraduate research and publishing results with graduate students.

Previous positions

10/2009 – 12-2011	<i>Research Assistant Scientist: Plant Growth, Revegetation, Breeding, and Genetics</i>
04/2007 – 10/2009	<i>Post-doctoral Associate: Plant Growth, Revegetation, Breeding, and Genetics</i> University of Florida – Gainesville; Center for Aquatic and Invasive Plants
01/2006 – 01/2007	<i>Scientist: Plant Breeder</i> UST Inc./Profigen/F.W. Rickard Seeds; Mebane NC
08/2005 – 12/2005	<i>Post-doctoral Associate</i> University of Florida – Gainesville; Center for Aquatic and Invasive Plants
08/2001 – 08/2005	<i>Doctoral Research Fellow under the supervision of Dr. David Wofford</i> University of Florida – Gainesville; Department of Agronomy
08/1998 – 12/2000	<i>Research Assistant under the supervision of Dr. Dennis Werner</i> North Carolina State University – Raleigh; Department of Horticultural Science
08/1996 – 08/1998	<i>OPS Biologist for Dr. David Sutton</i> University of Florida IFAS/FLREC – Fort Lauderdale; Department of Agronomy
06/1987 – 08/1996,	<i>Production Manager</i>
04/1997 – 08/1998	Sir Speedy – West Palm Beach, Florida

Classes taught

AGR4932: Introduction to Genetics and Genomics (UF Agronomy)
AGR3303: Genetics (UF Agronomy)
AGR2332: Seeds of Change (UF Agronomy)
HS301: Plant Propagation (NCSU Horticultural Science)

Selected publications 2007-present

Genetics and inheritance

- **Gettys LA.** 2012. Genetic control of white flower color in scarlet rosemallow (*Hibiscus coccineus* Walter). *Journal of Heredity* 103(4):594-597.
- **Gettys LA** and DS Wofford. 2008. Genetic control of floral morph in tristylous pickerelweed (*Pontederia cordata* L.). *Journal of Heredity* 99(5):558-563. doi: 10.1093/jhered/esn031.
- **Gettys LA** and DS Wofford. 2007. Inheritance of flower color in pickerelweed (*Pontederia cordata* L.). *Journal of Heredity* 98(6):629-632. doi:10.1093/jhered/esm069.
- **Gettys LA** and DS Wofford. 2007. Genetic control of albinism in pickerelweed (*Pontederia cordata* L.). *Journal of Heredity* 98(4):356-359. doi:10.1093/jhered/esm046.

Herbicide testing and application methods

- **Gettys LA** and WT Haller. 2012. Effect of herbicide-treated irrigation water on four garden vegetables. *Weed Technology* 26(2):272-278.
- Haller WT, **LA Gettys** and MS Glenn. 2011. Constructing weighted trailing hoses for submersed aquatic herbicide applications (IFAS Publication Number SS-AGR-352). Gainesville: University of Florida Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/pdf/AG/AG36000.pdf>.
- **Gettys LA** and WT Haller. 2010. Response of selected foliage plants to four herbicides in irrigation water. *HortTechnology* 20(5):921-928.
- **Gettys LA** and WT Haller. 2009. Tolerance of selected bedding plants to four herbicides in irrigation water. *HortTechnology* 19(3):546-552.
- Haller B, **L Gettys**, M Glenn and G Reynolds. 2007. Building weighted trailing hoses. *Aquatics* 29(4):8-14. Florida Aquatic Plant Management Society, Inc. Tallahassee, FL.
- Mudge CR, **LA Gettys** and WT Haller. 2007. Effect of four herbicides on watermeal. *Aquatics* 29(4):4-6. Florida Aquatic Plant Management Society, Inc. Tallahassee, FL.

Propagation and culture

- **Gettys LA** and WT Haller. 2012 (in press). Greenhouse culture of submersed aquatic vegetation “sod.” *Proceedings of Florida State Horticultural Society* 125.
- **Gettys LA**, WT Haller, E Hayes and K Thayer. 2012. Production of eelgrass sod for use in lake restoration projects. *Aquatics* 34(1):4-8. Florida Aquatic Plant Management Society, Inc. Tallahassee, FL.
- **Gettys L.** 2011. Adding to the restoration toolbox: identifying widely adapted biotypes of eelgrass. *Aquaphyte* 30(1):5.
- **Gettys L.** 2011. Adding to the restoration toolbox: identifying widely adapted biotypes of eelgrass. *Hydrophyte* 15(4):10.
- **Gettys LA** and RK Dumroese. 2009. Optimum storage and germination conditions for seeds of pickerelweed (*Pontederia cordata* L.) from Florida. *Native Plants Journal* 10(1):4-12.

Other publications

- **Gettys LA. 2012.** Book review: Biology and control of aquatic plants: a best management practices handbook. *Aquatic Ecosystem Restoration Foundation 15th Anniversary Journal*. Marietta, GA.
- **Gettys L.** 2012. The 2012 Aquatic Weed Control Short Course. *AERF News* 5:3. Aquatic Ecosystem Restoration Foundation, Marietta, GA.
- Orozco Obando W, FM Woods, KM Tilt, D Tian, JR Kessler, F Dane, WG Foshee, JL Sibley, A Caylor, J Olive, D Fields, JA Chappell, D Cline, **LA Gettys** and K Moore. 2012 (in press). Can lotus (*Nelumbo* spp.) be used to remove heavy metals from contaminated Florida soils? *Proceedings of Florida State Horticultural Society* 125.
- **Gettys LA.** 2012. Book review: Biology and control of aquatic plants: a best management practices handbook. *Aquatic Ecosystem Restoration Foundation 15th Anniversary Journal*. Marietta, GA.
- Mudge CR, WT Haller and **LA Gettys**. 2011. Thermocline, north versus south: friend or foe. *Aquatics* 33(1):12-14. Florida Aquatic Plant Management Society, Inc. Tallahassee, FL.
- **Gettys LA.** 2009. Chapter 13.1: waterhyacinth, pp. 113-118. In: *Biology and control of aquatic plants: a best management practices handbook* (Gettys LA, WT Haller and M Bellaud, eds.). Aquatic Ecosystem Restoration Foundation. Marietta, GA.

- **Gettys LA**, WT Haller, CR Mudge and TJ Koschnick. 2008. Effect of temperature and feeding preference on submersed plants by the island apple snail, *Pomacea insularum* (D'Orbigny, 1839) (Ampullariidae). *The Veliger* 50(3):248-254.
- **Gettys LA** and WT Haller. 2007. Apple snails in Florida. *Aquatics* 29(3):4-9. Florida Aquatic Plant Management Society, Inc. Tallahassee, FL.

Book Chapters Written

- **Gettys LA** and GE MacDonald. 2012 (in prep). Herbicides in aquatic systems. *Herbicides: Book 1*. InTech Publishing.
- MacDonald and **LA Gettys**. 2012 (in prep). Herbicides for use in the aquatic environment. *Herbicides: Book 1*. InTech Publishing.

Books Edited

- **Gettys LA**, WT Haller and M. Bellaud (eds). 2009. Biology and control of aquatic plants: a best management practices handbook. Aquatic Ecosystem Restoration Foundation. Marietta, GA.
- **Gettys LA** and WT Haller. 2013 (in prep). Biology and control of aquatic plants: a best management practices handbook, 3rd edition. Aquatic Ecosystem Restoration Foundation, Marietta, GA.

Abstracts

- **Gettys LA**, W Orozco Obando and FC Reed III. 2012. Effect of water depth and sediment composition on vegetative reproduction of the invasive aquatic weeds rotala [*Rotala rotundifolia* (Buch.-Ham. ex Roxb.) Koehne] and hygrophylla [*Hygrophila polysperma* (Roxb.) T. Anders]. 52nd Annual Meeting of the Aquatic Plant Management Society. Salt Lake City, Utah.
- **Gettys LA**. 2012. Aquatic weed control in south Florida – new plants, new challenges, new solutions. 2012 Annual Meeting of the Florida Weed Science Society.
- Obando WO, **LA Gettys**, KA Moore, FD Woods and D Tian. 2012 (in press). Evaluation of a collection of lotus (*Nelumbo* spp.) germplasm for ornamental, medicinal, and edible food crop potential. *HortScience*. (Abstr.)
- Uchida T, T Arase, **LA Gettys**, WT Haller and D Hayasaka. 2012. Dispersal risk of timothy (*Phleum pratense* L.) through cloning from stem segments. Proceedings of the 4th Japan-China-Korea Grassland Conference, pp. 108-109. Aichi, Japan.
- **Gettys LA**. 2011. Be on the lookout: Florida's newest aquatic invaders. 35th Annual Meeting of the Florida Aquatic Plant Management Society. St. Augustine, FL.
- DeCrecy AD, WT Haller and **LA Gettys**. 2011. Effects of irrigation water containing the EUP products topramezone, quinclorac and bispyribac on turfgrasses. 35th Annual Meeting of the Florida Aquatic Plant Management Society. St. Augustine, FL.
- Haller WT and **LA Gettys**. 2011. New herbicide registrations and resistance management. 35th Annual Meeting of the Florida Aquatic Plant Management Society. St. Augustine, FL.
- Haller WT, **LA Gettys** and CR Mudge. 2011. Giant salvinia - a potential disaster for Florida aquatic ecosystems. 35th Annual Meeting of the Florida Aquatic Plant Management Society. St. Augustine, FL.
- **Gettys LA** and WT Haller. 2010. Response of selected foliage plants to four herbicides in irrigation water. 50th Annual Meeting of the Aquatic Plant Management Society. Bonita Springs, FL.
- **Gettys LA** and DS Wofford. 2009. Genetic control of floral morph in tristylous pickerelweed (*Pontederia cordata* L.). 106th Annual Meeting of the American Society for Horticultural Science. St. Louis, MO.
- **Gettys LA** and WT Haller. 2009. Tolerance of selected bedding plants to four herbicides in irrigation water. 106th Annual Meeting of the American Society for Horticultural Science. St. Louis, MO.
- BW Bultemeier, WS Judd and **LA Gettys**. 2009. The new taxonomy of plants: what impact does this have on aquatic plants? 49th Annual Meeting of the Aquatic Plant Management Society. Milwaukee, WI.
- ST Berger, **LA Gettys** and WT Haller. 2009. Tolerance of selected bedding plants to four herbicides in irrigation water. 49th Annual Meeting of the Aquatic Plant Management Society. Milwaukee, WI.
- **Gettys LA** and WT Haller. 2008. Effect of nutrient levels on biometric characters of *Vallisneria americana* Michx. 105th Annual Meeting of the American Society for Horticultural Science. Orlando, FL.
- **Gettys LA** and WT Haller. 2008. Effect of nutrient levels on biometric characters of *Vallisneria americana* Michx. 48th Annual Meeting of the Aquatic Plant Management Society. Charleston, SC.

- **Gettys LA** and DS Wofford. 2008. Genetic control of floral morph in tristylous pickerelweed (*Pontederia cordata* L.). Genetics 2008: University of Florida Genetics Institute Conference. Gainesville, FL.
- Haller WT, **LA Gettys** and TF Chiconela. 2008. The explosion of exotic island apple snails in Florida – impact and control. 48th Annual Meeting of the Aquatic Plant Management Society. Charleston, SC.

Service

- Member of Board of Directors: South Florida Aquatic Plant Management Society. 2012-.
- Member of Broward County Extension Overall Advisory Committee. 2012-.
- Member of Technical Program Committee – Florida Aquatic Plant Management Association. 2012-.
- Member of Technical Program Committee – International Conference on Aquatic Invasive Species. 2012-.
- Organizer and Program Chair: South Florida Graduate Research Symposium. Davie, FL. 2012.
- Representative/Host: UF IFAS Water Matters Exhibit. Smithsonian FolkLife Festival. Washington DC. 2012.
- Member of Executive Staff: Aquatic Ecosystem Restoration Foundation (AERF). 2011-.
- Co-editor: AERF 15th Anniversary Publication. 2011-2012.
- Exhibit Representative: UF Center for Aquatic and Invasive Plants at Sunbelt AgExpo. 2011.

Extension

- Organizer: University of Florida Aquatic Weed Control Short Course. 2012.
- Remote Site Host: IFAS CEU Day. Davie, FL. 2012.
- Aquatic Pest Control Training – UF/IFAS Extension Homestead Office. 2012.
- CORE/General Standards Training – South Broward Drainage District. 2012.
- Aquatic Pest Control Training – South Broward Drainage District. 2012.
- Aquatic Plant Identification – South Broward Drainage District. 2012.
- Orange County Summer Weeds Training: Aquatic weed control in DOT canals. Orlando, FL. 2012.
- Broward County Summer Weeds Training: Aquatic weed control in DOT canals. Ft. Lauderdale, FL. 2012.
- Dade County Summer Weeds Training: Aquatic weed control in DOT canals. Miami, FL. 2012.
- Spring Soils BMP Day: Aquatic weed control in EAA canals. Belle Glade, FL. 2012.
- Co-organizer: University of Florida Aquatic Weed Control Short Course. 2011.
- Aquatic Plant Identification – University of Florida Aquatic Weed Control Short Course. 2008-2012.

Memberships

- American Genetics Association
 - Aquatic Ecosystem Restoration Foundation
 - Aquatic Plant Management Society
 - Florida Aquatic Plant Management Society
 - Florida Exotic Pest Plant Council
 - Gamma Sigma Delta
 - Pi Alpha Xi
 - South Florida Aquatic Plant Management Society
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