

# CURRICULUM VITAE OF LORETTA L. BATTAGLIA

## PROFESSIONAL AFFILIATION AND CONTACT INFORMATION

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## EDUCATION

- 1998 Ph.D., Ecology, University of Georgia  
Dissertation: "Microsite heterogeneity and regeneration patterns along a post-hurricane disturbance gradient in an old-growth bottomland hardwood forest"  
Advisor: Dr. Rebecca R. Sharitz
- 1991 M.S., Biology, University of Louisiana, Monroe  
Thesis: "Early secondary succession in a bottomland hardwood area"  
Advisor: Dr. Davis W. Pritchett
- 1988 B.S., Zoology (*Magna cum laude*), University of Louisiana, Monroe

## PROFESSIONAL EXPERIENCE

- 2022-present Director, Center for Coastal Studies, Texas A & M Corpus Christi.
- 2022-present Professor, Dept. Life Sciences, Texas A & M Corpus Christi.
- 2009-2021 Associate Professor, School of Biological Sciences, Southern Illinois University Carbondale.
- 2003-2009 Assistant Professor, Dept. of Plant Biology, Southern Illinois University Carbondale.
- 2000-2003 Post-doctoral Associate, Dept. of Biological Sciences, Louisiana State University.
- 1999-2000 Instructor, Dept. of Biological Sciences, Louisiana State University.
- 1998 Research Associate, Dept. of Biological Sciences, Louisiana State University.
- 1993-1998 Graduate Research Fellow, Savannah River Ecology Laboratory, University of Georgia.
- 1991-1993 Graduate Teaching Assistant, Division of Biological Sciences, University of Georgia.
- 1991 Research Technician, Dept. of Biology, University of Louisiana, Monroe & USDA Forest Service, Hot Springs, Arkansas.

- 1988-1991 Graduate Teaching Assistant, Dept. of Biology, University of Louisiana, Monroe.
- 1988 Undergraduate Field Assistant, Dept. of Biology, University of Louisiana, Monroe.

## RESEARCH INTERESTS

I am a community ecologist working in coastal wetlands and freshwater floodplains of the southeastern United States. Research in my lab is focused on the following themes: 1) effects of invasive species and their removal on native communities; 2) restoration of wetland ecosystems and assessment of success; 3) effects of sea level rise and disturbance on wetland communities; 4) utility of assisted migration for restoration; and 5) development of techniques to instill resilience in ecological restoration.

## PEER-REVIEWED PUBLICATIONS

- Gagnon, P. R., **L. L. Battaglia**, B. B. Hanberry, W. H. Conner and S. L. King. 2021. Fire in floodplain forests of the southeastern USA. In: C. H. Greenberg and B. S. Collins, editors. *Fire ecology and management of US forests: past, present, and future*. Pages xx-xx. Springer.
- Koutchin Reis, L., G. Alves Damasceno, Jr., **L. L. Battaglia** and L. Couto Garcia. 2020. Can transplanting seedlings with protection against herbivory be a cost-effective restoration strategy for seasonally flooded environments? *Forest Ecology and Management*. [doi.org/10.1016/j.foreco.2020.118742](https://doi.org/10.1016/j.foreco.2020.118742).
- Paudel, S. and **L. L. Battaglia**. 2020. Responses of two native species and invasive *Triadica sebifera* to simulated hurricane disturbances in coastal Mississippi, USA. *Plant Ecology* 222: 133-148. [doi.org/10.1007/s11258-020-01093-2](https://doi.org/10.1007/s11258-020-01093-2).
- Cherry, J. A. and **L. L. Battaglia**. 2019. Tidal wetlands in a changing climate: introduction to a special feature. *Wetlands*. DOI 10.1007/s13157-019-01245-9
- Battaglia, L. L.** and W. H. Conner. 2018. Old-growth and mature remnant floodplain forests of the southeastern United States. In: A. Barton and W. Keeton, editors. *Old-growth forests in eastern North America*. Pages 21-37. Island Press.
- Guyon, L. and **L. L. Battaglia**. 2018. Ecological characteristics of floodplain forest reference sites in the Upper Mississippi River System. *Forest Ecology and Management*. DOI 10.1016/j.foreco.2018.06.007
- Paudel, P., A. Milleville and **L. L. Battaglia**. 2018. Responses of native and invasive floating aquatic plant communities to salinity and desiccation stress in southeastern US coastal floodplain forests. *Estuaries and Coasts*. DOI 10.1007/s12237-018-0419-2
- Chupp, A.D. and **L. L. Battaglia**. 2017. Sprouting capacity of *Persea borbonia* and maritime forest community response to simulated laurel wilt disease. *Plant Ecology* 4: 447-457. DOI 10.1007/s11258-017-0702-5
- Shackelford, N., B. Starzomski, N. Banning, **L. L. Battaglia**, A. Becker, P. Bellingham, B. Bestelmeyer, J. Catford, J. Dwyer, M. Dynesius, J. Gilmour, L. Hallett, R. J. Hobbs, J. Price, T. Sasaki, E. V. Tanner and R. Standish. 2017. Isolation predicts compositional change

- after discrete disturbances in a global meta-study. *Ecography* 40: 001-011. DOI: 10.1111/ecog.02383
- Chupp, A. D. and **L. L. Battaglia**. 2016. Bird-plant interactions and vulnerability to biological invasions. *Journal of Plant Ecology* 9: 962-702. DOI: 10.1093/jpe/rtw020
- Chupp, A. D., **L. L. Battaglia**, E. M. Schaubert and S. D. Sipes. 2015. Orchid-pollinator interactions and potential vulnerability to biological invasion. *AoB PLANTS* 7: plv099; doi:10.1093/aobpla/plv099. (Editor's Choice).
- Abbott, M. J. and **L. L. Battaglia**. 2015. Purple pitcher plant (*Sarracenia rosea*) dieback and partial community disassembly following experimental storm surge in a coastal pitcher plant bog. *PLOS One*. 10(4): e0125475. DOI: 10.1371/journal.pone.0125475.
- Pivovarovoff, A. L., C. Swift, **L. L. Battaglia**, B. Kunz, W. J. Platt, and C. L. Yoder. 2015. Physiological profiles as indicators of response to hurricane disturbance for three coastal wetland species. *Journal of Coastal Research* 31: 986-993. DOI: 10.2112/JCOASTRES-D-14-00073.1.
- Paudel, S. and **L. L. Battaglia**. 2015. The role of light, soil and human factors on the probability of occurrence of an invasive and three native plant species in coastal transitions of coastal Mississippi, USA. *Journal of Plant Ecology* 8: 491-500. DOI: 10.1093/jpe/rtu045.
- Chupp, A. D. and **L. L. Battaglia**. 2014. Potential for host-shifting in *Papilio palamedes* following invasion of Laurel Wilt Disease. *Biological Invasions* 16: 2639-2651.
- National Research Council (Panel Member). 2014. Progress toward restoring the Everglades: the fifth biennial review. Washington, DC: The National Academies Press.
- Gora, E. M., **L. L. Battaglia**, H. B. Schumacher, and W. P. Carson. 2014. Patterns of coarse woody debris volume among 18 late-successional and mature forest stands in Pennsylvania. *Journal of the Torrey Botanical Society* 141: 151-160.
- Standish, R. J., R. J. Hobbs, M. M. Mayfield, B. T. Bestelmeyer, K. N. Suding, **L. L. Battaglia**, V. Eviner, C. V. Hawkes, V. M. Temperton, V. A. Cramer, J. A. Harris, J. L. Funk, and P. A. Thomas. 2014. Resilience in ecology: abstraction, distraction, or where the action is? *Biological Conservation* 177: 43-51.
- Paudel, S., S. G. Baer, and **L. L. Battaglia**. 2014. Vesicular arbuscular mycorrhizae (VAM) and success of *Triadica sebifera* invasion in coastal transition ecosystems along the northern Gulf of Mexico. *Plant and Soil Science* 378: 337-349.
- Chupp, A. D., A.M. Roder, **L. L. Battaglia** and J. F. Pagels. 2013. A case study of urban and peri-urban mammal communities: implications for the management of National Park Service areas. *Northeastern Naturalist* 20: 631-654.
- Paudel, S. and **L. L. Battaglia**. 2013. Sea level rise and germination of the invasive *Triadica sebifera* and two co-occurring native woody species across a Gulf Coast transition ecosystem. *Wetlands* 33: 527-535.

- Alsup, S. E., S. D. Ebbs, **L. L. Battaglia** and W. A. Retzlaff. 2013. Green roof systems as sources or sinks influencing heavy metal concentrations in runoff. *Journal of Environmental Engineering* 139: 502-508.
- Tate, A.S. and **L. L. Battaglia**. 2013. Disassembly and reassembly of coastal communities following experimental storm surge and wrack deposition. *Journal of Vegetation Science* 24: 46-57.
- Battaglia, L. L.**, M. S. Woodrey, M. S. Peterson, K. S. Dillon and J. M. Visser. 2012. Wetland Ecosystems of the Northern Gulf Coast. In: D. Batzer and A. Baldwin, editors. *Wetland Habitats of North America: Ecology and Conservation Concerns*. Pages 75-88. University of California Press.
- King, S. L., **L. L. Battaglia**, C. R. Hupp, R. F. Keim and B. G. Lockaby. 2012. Floodplain Wetlands of the Southeastern Coastal Plain. In: D. Batzer and A. Baldwin, editors. *Wetland Habitats of North America: Ecology and Conservation Concerns*. Pages 253-266. University of California Press.
- Visser, J. M., J. W. Day, Jr., **L. L. Battaglia**, G. P. Shaffer and M. W. Hester. 2012. Mississippi River Delta Wetlands. In: D. Batzer and A. Baldwin, editors. *Wetland Habitats of North America: Ecology and Conservation Concerns*. Pages 63-74. University of California Press.
- McLane, C. R., **L. L. Battaglia**, D. J. Gibson and J. G. Groninger. 2012. Succession of exotic and native species assemblages across a chronosequence of restored floodplain forests: a test of the parallel dynamics hypothesis. *Restoration Ecology* 20: 202-210.
- Kain, M., **L. L. Battaglia**, A. Royo and W. P. Carson. 2011. Over-browsing in Pennsylvania creates a depauperate forest dominated by an understory tree: Results from a 60-year-old deer exclosure. *Journal of the Torrey Botanical Society* 138: 322-326.
- Alsup, S.E., S.D. Ebbs, **L. L. Battaglia** and W.A. Retzlaff. 2011. Heavy metals in leachate from simulated green roof systems. *Ecological Engineering* 37: 1709-1717.
- Wolff, J. M., **L. Battaglia**, T. C. Carter, L. B. Rodman, E. R. Britzke and G. A. Feldhamer. 2009. Effects of tornado disturbance on bat communities in southern Illinois. *Northeastern Naturalist* 16: 553-562.
- Nelson, J. L., J. W. Groninger, C. M. Ruffner and **L. L. Battaglia**. 2009. Past land use, disturbance regime change, and vegetation response in a southern Illinois floodplain conservation area. *Journal of the Torrey Botanical Society* 136: 242-256.
- King, S. L., R. R. Sharitz, J. W. Groninger and **L. L. Battaglia**. 2009. Ecology, restoration, and management of floodplains: a synthesis. *Wetlands* 29: 624-634.
- Battaglia, L. L.**, J. S. Denslow, J. R. Inczauskis and S. G. Baer. 2009. Effects of native vegetation on invasion success of Chinese Tallow in a floating marsh ecosystem. *Journal of Ecology* 97: 239-246.
- Nelson, J. L., J. W. Groninger, **L. L. Battaglia** and C. M. Ruffner. 2008. Regeneration response to tornado and salvage harvesting in a bottomland forest. *Proceedings of the 14<sup>th</sup> Biennial Southern Silvicultural Research Conference*, Athens, GA.

- Shirley, L. J. and **L. L. Battaglia**. 2008. Projecting fine resolution land-cover dynamics in a rapidly changing coastal landscape. *Journal of Coastal Research* 24: 1545-1554.
- Battaglia, L. L.**, P. R. Minchin and D. W. Pritchett. 2008. Evaluating dispersal limitation in passive bottomland forest restoration. *Restoration Ecology* 16: 417-424.
- Nelson, J. L., J. W. Groninger, **L. L. Battaglia** and C. M. Ruffner. 2008. Bottomland hardwood forest vegetation and soils recovery following a tornado and salvage logging. *Forest Ecology and Management* 256: 388-395.
- Collins, B. and **L. L. Battaglia**. 2008. Oak regeneration in bottomland hardwood forests. *Forest Ecology and Management* 255: 3026-3034.
- Battaglia, L. L.**, J. S. Denslow and T. G. Hargis. 2007. Does woody species establishment alter herbaceous community composition of freshwater floating marshes? *Journal of Coastal Research* 23: 1580-1587.
- Shirley, L. J. and **L. L. Battaglia**. 2006. Assessing vegetation change in coastal marsh-forest transitions along the northern Gulf of Mexico using National Wetlands Inventory data. *Wetlands* 26: 1057-1070.
- Battaglia, L. L.** and B. S. Collins. 2006. Linking hydroperiod and vegetation response in Carolina Bay wetlands. *Plant Ecology* 184: 173-185.
- Battaglia, L. L.** and R. R. Sharitz. 2006. Response of floodplain forest species to spatially condensed gradients: a test of the flood-shade tolerance tradeoff hypothesis. *Oecologia* 147: 108-118.
- Battaglia, L. L.** and R. R. Sharitz. 2005. Effects of natural disturbance on bottomland hardwood regeneration. *In: Ecology and Management of Bottomland Hardwood Systems: The State of Our Understanding*. L. H. Fredrickson, S. L. King and R. M. Kaminski, editors. University of Missouri-Columbia. Gaylord Memorial Laboratory Special Publication No. 10. Puxico.
- Battaglia, L. L.**, B. S. Collins and R. R. Sharitz. 2004. Do published tolerance ratings and dispersal factors predict species distributions in bottomland hardwoods? *Forest Ecology and Management* 198: 15-30.
- Battaglia, L. L.**, B. S. Collins and P. B. Weisenhorn. 2004. *Quercus michauxii* regeneration in and around aging canopy gaps. *Canadian Journal of Forest Research* 34: 1359-1364.
- Denslow, J. S. and **L. L. Battaglia**. 2002. Stand composition and structure across a changing hydrologic gradient: Jean Lafitte National Park. *Wetlands* 22: 738-752.
- Battaglia, L. L.**, P.R. Minchin and D. W. Pritchett. 2002. Sixteen years of old-field succession and reestablishment of a bottomland hardwood forest in the Lower Mississippi Alluvial Valley. *Wetlands* 22: 1-17.
- Collins, B. S. and **L. L. Battaglia**. 2002. Microenvironmental heterogeneity and *Quercus michauxii* regeneration in experimental canopy gaps. *Forest Ecology and Management* 155: 281-292.

Collins, B. S. and **L. L. Battaglia**. 2001. Hydrology effects on propagule bank expression and vegetation in six Carolina Bays. *Community Ecology* 2: 21-33.

**Battaglia, L.L.**, S. A. Foré, S. A. and R. R. Sharitz. 2000. Seedling emergence, survival and size in relation to light and water availability in two bottomland hardwood species. *Journal of Ecology* 88: 1041-1050.

**Battaglia, L. L.**, R. R. Sharitz and P. R. Minchin. 1999. Patterns of seedling and overstory composition along a gradient of hurricane disturbance in an old-growth bottomland hardwood community. *Canadian Journal of Forest Research* 29: 144-156.

**Battaglia, L. L.**, J. R. Keough and D. W. Pritchett. 1995. Early secondary succession in a southeastern U.S. alluvial floodplain. *Journal of Vegetation Science* 6: 769-776.

#### MANUSCRIPTS IN REVISION OR REVIEW

Kalk, H. J. and **L. L. Battaglia**. In revision. Composition of coastal seedbanks and response to hurricane storm surge. *Estuaries and Coasts*.

Stork, E. J. and **L. L. Battaglia**. In revision. Prairie on the rocks: remnant dolomite prairies of northeastern Illinois. *Natural Areas Journal*.

Fruchter, J., L. J. Pollock, S. Phipps and **L. L. Battaglia**. In revision. Hurricanes and fire drive upslope retreat of the forest-marsh ecotone at Weeks Bay, Alabama, USA. *Wetlands*.

Kalk, H. J. and **L. L. Battaglia**. In revision. Using assisted community translocation to determine restoration targets for degraded coastal communities. *Restoration Ecology*.

#### MANUSCRIPTS IN PREPARATION

Shackelford, N., S. D. Murphy, **L. L. Battaglia**, B. T. Bestelmeyer, L. R. Aoki, J. B. Bradford, M. E. Fagan, K. McGlathery, J. L. Reid, K. N. Suding, R. R. Twilley and R. Zahawi. In preparation. Thinking big: strategies for large-scale restoration.

Cherry, J. A., P. B. Weisenhorn and **L. L. Battaglia**. In preparation. Community and ecosystem changes in response to fire in a Gulf Coast tidal landscape.

Murphy, G. A., S. D. Sipes, M. R. Whiles, M. S. Woodrey and **L. L. Battaglia**. In preparation. Habitat preferences of Gulf Coast fiddler crabs and responses of plant and soil characteristics to their burrowing.

Kroschel, W., S. L. King and **L. L. Battaglia**. In preparation. First-year tree seedling dynamics in floodplain forests of the Lower Mississippi Alluvial Valley.

**Battaglia, L. L.**, A. D. Chupp, M. Abbott, J. Fruchter, D. Harshbarger and S. Paudel. In preparation. Assisted migration of coastal marsh species: how far is too far?

Delfeld, B. M., **L. L. Battaglia**, P. B. Weisenhorn, J. A. Cherry, B. Morgan and L. Egerton-Warburton. In preparation. Movin' on up: mycorrhizal mutualisms and assisted migration of coastal plant species.

Sipek, W. J. and **L. L. Battaglia**. In preparation. Take cover! Bird-dispersed exotic plant invasions in the southeastern US.

## NON-REFEREED PUBLICATIONS AND REPORTS

**Battaglia, L. L.** 2019. Resolution of respect: Rebecca Reyburn Sharitz (1944-2018). *Bulletin of the Ecological Society of America* 100(2): e01539. <https://doi.org/10.1002/bes2.1539>

Cherry, J.A. and **L. L. Battaglia**. 2016. Will reintroduction of fire along coastal gradients promote lateral migration of marsh and enhance biodiversity? SWS Webinar Series, November 30, 2016. Presentation archived on SWS website.

**Battaglia, L. L.** 2016. Assisted migration as a management tool in coastal ecosystems threatened by climate change. *Final report submitted to the DoD SERDP Program*.

Guyon, L. and **L. L. Battaglia**. 2012. *Final report submitted to the USGS Long Term Resource Monitoring Program*.

Minchin, P. R. and **L. L. Battaglia**. 2011. Analysis of ground-truthing data for LiDAR classifications of vegetation in Jean Lafitte National Park. *Final report submitted to the National Park Service Inventory and Monitoring Program, Gulf Coast Network*. 20 p.

**Battaglia, L. L.**, V. A. Barko and D. Henderson. 2008. Ecological indicators of floodplain forests within the Mississippi River Ecosystem. *Final report submitted to the USGS Long Term Resource Monitoring Program*. 49 p.

**Battaglia, L. L.** 2007. Habitat inventory of Cypress Creek National Wildlife Refuge. *Final report submitted to the US Fish and Wildlife Service, Cypress Creek National Wildlife Refuge*. December 15, 2007. 32 p.

**Battaglia, L. L.** and B. Beckage. 2007. Large-scale disturbances and ecological communities in the Southeast US. *White Paper, Southeast Region TER-S Workshop*.

Gibson, D.J., **L. L. Battaglia**, J. Inczauskis and M. Hacker. 2006. Inventory of non-native species. *Final report submitted to the USDA Forest Service, Shawnee National Forest*. 49 p.

**Battaglia, L. L.** 2005. Survey of invasive plant species in Crab Orchard Wildlife Refuge. *Final report submitted to the USFWS, Crab Orchard*. 24 p.

Collins, B. S. and **L. L. Battaglia**. 2002. Review of "The Ecological Consequences of Environmental Heterogeneity". *Journal of Vegetation Science* 13: 893-894.

## GRANTS

National Park Service. July 2018 - June 2021. PI: Loretta Battaglia. Predicting coastal forest responses to rapid relative sea level rise and hurricane disturbance. \$49,424.

Great Rivers Faculty Proposal for the National Great Rivers Research & Education Center Internship Program. May 2018 - Aug 2018. PI: Loretta Battaglia. Invasion of *Pomacea maculata* apple snail: the role of the invasive Water Hyacinth. \$5,000.

- Great Rivers Faculty Proposal for the National Great Rivers Research & Education Center Internship Program. May 2017 - Aug 2017. PIs: Loretta Battaglia and Cheryl Swift. Ecophysiological characteristics of bottomland hardwood species experiencing rapid relative sea level rise. \$5,000.
- National Park Service. July 2015 – April 2017. Tree community census and analysis at Barataria Preserve. PI: Loretta Battaglia. \$12,242.
- Environmental Protection Agency. August 2014 – January 2017. Will reintroduction of fire along coastal gradients promote lateral migration of marsh and enhance biodiversity? PI: Mike Smith; co-PIs: Loretta Battaglia, Julia Cherry, and Mark Woodrey. \$245,672.
- Great Rivers Faculty Proposal for the National Great Rivers Research & Education Center Internship Program. May 2013 - Aug 2013. PI: Loretta Battaglia. Resilience of floodplain forests to rapid relative sea level rise and hurricane disturbances: a dendrochronological perspective. \$5,000.
- National Park Service Inventory and Monitoring Program. Vegetation plot surveys and plant community classification at Jean Lafitte National Historical Park and Preserve in support of the National Park Service Inventory and Monitoring Program. June 2012 – May 2013. PI: Loretta Battaglia. \$25,109.
- Department of Defense, Strategic environmental research and development program (SERDP). June 1, 2012 - May 14, 2014. PI: Loretta Battaglia. Supplement. Assisted migration as a management tool in coastal ecosystems threatened by climate change. \$14,494.
- Department of Defense, Strategic environmental research and development program (SERDP). June 1, 2010 - May 14, 2014. PI: Loretta Battaglia. Supplement. Assisted migration as a management tool in coastal ecosystems threatened by climate change. \$73,898.
- NOAA, Graduate Research Fellowship. Life after redbay. June 2011 - June 2014. coPIs: Adam Chupp and Loretta Battaglia. \$60,000.
- Great Rivers Faculty Proposal for the National Great Rivers Research & Education Center Internship Program. May 2011 - Aug 2011. PI: Loretta Battaglia. Resilience of floating aquatic plant communities in coastal bottomlands of the Lower Mississippi Alluvial Valley. \$5,000.
- National Park Service Inventory and Monitoring Program (subcontract from LSU to SIUC). Analysis of JELA ground-truth vegetation. July 2009 - August 2009. PI: Loretta Battaglia. \$42,025.
- NOAA, Graduate Research Fellowship. Can coastal seedbanks function as a biological buffer to incursions of the sea? June 2009 - June 2011. coPIs: Hannah Kalk and Loretta Battaglia. \$40,000.
- Great Rivers Faculty Proposal for the National Great Rivers Research & Education Center Internship Program. May 2009 - Aug 2009. coPIs: Loretta Battaglia and Valerie Barko. Comparisons of herpetofauna in restored and reference bottomland sites in the Upper Mississippi River floodplain. \$5,000.



Department of Defense, Strategic environmental research and development program (SERDP).  
May 15, 2009 – May 14, 2014. PI: Loretta Battaglia. Assisted migration as a management  
tool in coastal ecosystems threatened by climate change. \$583,979.

National Park Service. August 2007 - August 2009. PI: Loretta Battaglia. Assessing fire for control  
of exotic Chinese Tallow in the marshes of the Barataria Preserve. \$123,232.

Great Rivers Faculty Proposal for the National Great Rivers Research & Education Center  
Internship Program. Student: Craig McLane. May 2008 - Aug 2008. PI: Loretta Battaglia,  
coPI: David Gibson. If we build it, will they leave? Evaluating invasive species assemblages  
across a chronosequence of restored floodplain forests. \$5,000.

U.S.C.O.E. and U.S.G.S. June 2007 - December 2007. PI: Lyle Guyon, coPIs: Loretta Battaglia &  
John Chick. Ecological assessment of high quality UMRS floodplain forests. \$95,000.

U.S.F.W.S. January 2007 - January 2008. PI: David Gibson, coPI: Loretta Battaglia. Invasive  
species survey on Cypress Creek NWR. \$7,900.

Grand Bay National Estuarine Research Reserve and Mississippi Department of Marine Resources.  
April 2007 - April 2008. PI: Bill Platt, coPI: Loretta Battaglia. Coastal transitions at Grand  
Bay NERR: effects of sea level rise and hurricanes. \$10,000.

National Park Service. July 2006 - December 2007. PI: Loretta Battaglia, coPI: Julie Denslow.  
Quantify rate of change in bottomland hardwood forests of the Barataria Preserve Unit.  
\$20,300.

National Science Foundation. Feb 2006 - August 2007. PI: Bill Platt, coPIs: Loretta Battaglia,  
Kam-biu Liu, & Julie Whitbeck. SGER Collaborative Research: Do hurricanes spur responses  
of coastal communities to changing sea level? \$50,000.

U.S.F.W.S. Feb 2006 - Dec 2006. PI: Loretta Battaglia. Habitat inventory in the Cache River  
Basin: towards a habitat management plan. \$11,524.

SIUC, Interdisciplinary Research Seed Grant Program. 2006. Development of a hydrologic  
monitoring network and experimental design for the Middle Mississippi River Field Station.  
PI: Matt Whiles, coPIs: Sara Baer, Loretta Battaglia & Eric Hellgren, \$54,554.

U.S.C.O.E. and U.S.G.S. Feb 2006 - Sept 2006. PI: Loretta Battaglia; coPIs Valerie Barko & Dawn  
Henderson. Developing Indicators of Southern Bottomland Hardwood Forest Condition  
within the Upper Mississippi River Ecosystem. \$67,419.

Great Rivers Faculty Proposal for the National Great Rivers Research & Education Center  
Internship Program. May 2006 - Aug 2006. PI: Loretta Battaglia, coPI Valerie Barko.  
Assessment of exotic plant species in restored, unrestored, and reference bottomland sites at  
the Illinois-Mississippi Rivers confluence. \$4,500.

U.S.D.A. Forest Service. Sept 2004 - Aug 2005. PI: David Gibson, coPI: Loretta Battaglia.  
Invasive species in the Shawnee National Forest. \$10,000.

U. S. Fish and Wildlife Service. May 2004 - Sept 2004. PI: Loretta Battaglia. Survey of invasive species in Crab Orchard Wildlife Refuge. \$7,000.

National Park Service. April 2000 - April 2003. Co-investigator: Julie Denslow. Modeling risk of Chinese tallow invasion in a heterogeneous landscape. \$196,000.

Society of Wetland Scientists. Jan 1996 - Dec 1996. Influence of disturbance on heterogeneity and post-hurricane tree regeneration in an old-growth bottomland hardwood forest. \$500.

## **PARTIAL LIST OF PRESENTATIONS AT PROFESSIONAL MEETINGS**

**Battaglia, L. L.**, G. A. Murphy, B. Delfeld, P. Weisenhorn and J. A. Cherry. Zonation in coastal communities: maladaptation to climate change or hidden climate-proofing? Oral presentation. Ecological Society of America 105<sup>th</sup> Annual Meeting (virtual). August 2020. National Meeting.

**Battaglia, L. L.** Restoration of wetlands in coastal watersheds in the face of climate change. Invited symposium presentation. Québec RE<sup>3</sup> Conference, Québec City, Canada (Abstract accepted; presentation postponed to SER 2021 due to COVID-19). International meeting.

Weisenhorn, P., J. A. Cherry and **L. L. Battaglia**. Distribution of microbial taxa across a salinity and flooding gradient at the Grand Bay National Estuarine Research Reserve. Oral presentation. Québec RE<sup>3</sup> Conference, Québec City, Canada (Abstract accepted; presentation postponed to SWS 2021 due to COVID-19). International meeting.

**Battaglia, L. L.**, W. H. Conner and S. L. King. Old-growth and mature remnant floodplain forests of the southeastern United States. Invited symposium talk. Ecological Society of America 104<sup>th</sup> Annual Meeting. Louisville, KY. August 2019. National Meeting.

Sipek, W. H. and **L. L. Battaglia**. Drivers of bird-dispersed exotic plant invasions in the southeastern US. Oral presentation. Ecological Society of America 104<sup>th</sup> Annual Meeting. Louisville, KY. August 2019. National Meeting.

Murphy, G. A. and **L. L. Battaglia**. Do fiddler crabs influence plant growth and soil chemistry? Getting to the bottom of the burrow in Gulf Coast tidal marshes. Oral presentation. Society of Wetland Scientists Annual Meeting. Baltimore, MD. May 2019. International meeting.

Murphy, G. A. and **L. L. Battaglia**. Do fiddler crabs influence plant growth and soil chemistry? Getting to the bottom of the burrow in Gulf Coast tidal marshes. Oral presentation, Association of Southeastern Biologist Annual Meeting. Memphis, TN. March 2019. Regional meeting.

Osorio, S. and **L. L. Battaglia**. Accidental biocontrol or just another invader? Poster presentation. Association of Southeastern Biologists. Memphis, TN. March 2019. Regional meeting.

**Battaglia, L. L.** and J. S. Denslow. Responses of Gulf Coast floodplain forests to hurricanes: untangling the dynamics of resilience. Invited organized oral session talk. Ecological Society of America 103<sup>rd</sup> Annual Meeting. New Orleans, LA. August 2018. National Meeting.

Elkhashab, I. and **L. L. Battaglia**. Role of the exotic Water Hyacinth (*Eichhornia crassipes*) in the invasion of Island Apple Snails (*Pomacea maculata*) in coastal Louisiana swamps. National

- Great Rivers Research and Education Center Intern Symposium. Godfrey, IL. August 2018. Regional meeting.
- Sipek, W. J. and **L. L. Battaglia**. Impacts of tropical storms on *Triadica sebifera* invasions in the Southeastern United States. Poster presentation. Ecological Society of America 103<sup>rd</sup> Annual Meeting. New Orleans, LA. August 2018. National Meeting.
- Delfeld, B. M., **L. L. Battaglia**, P. B. Weisenhorn, J. A. Cherry, B. Morgan and L. Egerton-Warburton. Movin' on up: mycorrhizal mutualisms and assisted migration of coastal plant species. Oral presentation. International Association of Vegetation Science. Bozeman, MT. July 2018. International meeting.
- Murphy, G. A. and **L. L. Battaglia**. Habitat and seasonal preferences of fiddler crabs across Gulf Coast tidal marsh vegetation zones. Oral presentation. International Association of Vegetation Science. Bozeman, MT. July 2018. International meeting.
- Sipek, W. J. and **L. L. Battaglia**. Drivers of bird-dispersed exotic plant invasions in the southeastern United States. Oral presentation. International Association of Vegetation Science. Bozeman, MT. July 2018. International meeting.
- Delfeld, B. M., **L. L. Battaglia**, P. B. Weisenhorn, J. A. Cherry, B. Morgan and L. Egerton-Warburton. Movin' on up: mycorrhizal mutualisms and assisted migration of coastal plant species. Oral presentation. Annual Meeting of the Society of Wetland Scientists. Denver, CO. May 2018. International meeting.
- Murphy, G. A. and **L. L. Battaglia**. Fiddler crab and plant interactions: facilitation is a two-way street in Gulf Coast tidal marshes. Oral presentation. Annual Meeting of the Society of Wetland Scientists. Denver, CO. May 2018. International meeting.
- Sipek, W. J. and **L. L. Battaglia**. Drivers of bird-dispersed exotic plant invasions in the southeastern United States. Oral presentation. Annual Meeting of the Society of Wetland Scientists. Denver, CO. May 2018. International meeting.
- Battaglia, L. L.** and J. S. Denslow. Going, going, gone: coastal floodplain forest disassembly and dynamics in the Louisiana Deltaic Plain. Invited symposium talk. Association of Southeastern Biologists. Myrtle Beach, SC. March 2018. Regional meeting.
- Delfeld, B. M., **L. L. Battaglia**, P. B. Weisenhorn, B. Morgan and L. Egerton-Warburton. Movin' on up: mycorrhizal mutualisms and assisted migration of coastal plant species. Oral presentation. Association of Southeastern Biologists. Myrtle Beach, SC. March 2018. Regional meeting.
- Murphy, G. A. and **L. L. Battaglia**. Habitat and seasonal preferences of fiddler crabs across Gulf Coast tidal marsh vegetation zones. Oral presentation. Association of Southeastern Biologists. Myrtle Beach, SC. March 2018. Regional meeting.
- Sipek, W. J. and **L. L. Battaglia**. Drivers of bird-dispersed exotic plant invasions in the southeastern United States. Oral presentation. Association of Southeastern Biologists. Myrtle Beach, SC. March 2018. Regional meeting.

- Delfeld, B., **L. L. Battaglia**, P. Weisenhorn and J. A. Cherry. Assisted migration of coastal wetland plants: effects on mycorrhizal mutualisms. Poster presentation. Grand Bay NERR Research Symposium, Moss Point, MS. September 2017. Regional Meeting.
- Murphy, G. A. and **L. L. Battaglia**. Habitat and seasonal preferences of fiddler crabs across tidal marsh vegetation zones. Oral and poster presentations, Grand Bay NERR Research Symposium, Moss Point, MS. September 2017. Regional Meeting.
- Sipek, W. and **L. L. Battaglia**. Drivers of bird-dispersed exotic plant species in the Southeastern United States. Poster presentation. Grand Bay NERR Research Symposium, Moss Point, MS. September 2017. Regional Meeting.
- Weisenhorn, P. B., E. J. O'Loughlin<sup>1</sup>, T. M. Flynn, **L. L. Battaglia** and K. M. Kemner. Effect of seawater on structure and function of estuarine microbial communities adapted to varying salinities. Oral presentation. Ecological Society of America 102<sup>nd</sup> Annual Meeting. Portland, OR. August 2017. National Meeting.
- Battaglia, L. L.**, J. A. Cherry and M. S. Woodrey. Effects of prescribed fire on assisted migration of coastal plant species. Oral presentation. Ecological Society of America 102<sup>nd</sup> Annual Meeting. Portland, OR. August 2017. National Meeting.
- Bonto, A., C. Swift, and **L. L. Battaglia**. Migration and ecophysiological traits of coastal plants: implications of adaptability to rising sea levels. Poster presentation. Ecological Society of America 102<sup>nd</sup> Annual Meeting. Portland, OR. August 2017. National Meeting.
- Battaglia, L. L.**, J. A. Cherry and M. S. Woodrey. Upslope and downslope migration of coastal vegetation: compositional effects of a reciprocal transplant experiment. Oral presentation. Annual Meeting of the Society of Wetland Scientists. San Juan, PR. May 2017. International meeting.
- Murphy, G. A. and **L. L. Battaglia**. Habitat preferences of *Uca longisignalis* across Gulf Coast tidal marsh vegetation zones. Oral presentation. Annual Meeting of the Society of Wetland Scientists. San Juan, PR. May 2017. International meeting.
- Battaglia, L. L.** Gulf Coast Wetlands: a World of Earth, Wind, Fire (and Water). Tote Workshop for Teachers, Grand Bay National Estuarine Research Reserve. March 2017.
- Battaglia, L. L.** and J. A. Cherry. Will reintroduction of fire along coastal gradients promote lateral migration of marsh and enhance biodiversity? Society of Wetland Scientists. December 1, 2016. Webinar.
- Murphy, G. A., **L. L. Battaglia** and M. S. Woodrey. Habitat preferences of *Uca longisignalis* across Gulf Coast tidal marsh vegetation zones. Poster presentation. Bays and Bayous Symposium. Biloxi, MS. November 2016. Regional meeting.
- Delfeld, B. M., P. B. Weisenhorn, J. A. Cherry and **L. L. Battaglia**. Mycorrhizal colonization of coastal wetland plant species. Poster presentation. Bays and Bayous Symposium. Biloxi, MS. November 2016. Regional meeting.
- Battaglia, L. L.**, J. A. Cherry and M. S. Woodrey. Does prescribed fire enhance assisted migration of coastal vegetation? Invited symposium talk. TWS 23rd Annual Conference: The Wildlife Society. Raleigh, NC. October 2016. National meeting.

- Battaglia, L. L.** and J. S. Denslow. Rapid relative sea level rise drives steady reduction of floodplain forest resilience in the Mississippi Alluvial Plain. Invited talk. Ecological Society of America 101st Annual meeting. Fort Lauderdale, FL. August 2016. National meeting.
- Weisenhorn, P. B., J. Gilbert and **L. L. Battaglia**. Soil microbial community dynamics in response to fire along a pine island elevational gradient. Oral presentation. Ecological Society of America 101st Annual meeting. Fort Lauderdale, FL. August 2016. National meeting.
- Hacker, M. S., J. A. Cherry, S. Wilder, M. S. Woodrey, W. Underwood and **L. L. Battaglia**. Assessing seed bank contribution to landward expansion of coastal wetland communities and responses to fire. Poster presentation. Annual Meeting of the Society of Wetland Scientists. Corpus Christi, TX. May 2016. International meeting.
- Delfeld, B. M., P. B. Weisenhorn, J. A. Cherry and **L. L. Battaglia**. Assisted migration of coastal wetland plant species: effects of mycorrhizal mutualism. Poster presentation. Annual Meeting of the Society of Wetland Scientists. Corpus Christi, TX. May 2016. International meeting.
- Weisenhorn, P. B., J. Gilbert and **L. L. Battaglia**. Bacterial community composition is affected by fire and vegetation zone. Oral presentation. Annual Meeting of the Society of Wetland Scientists. Corpus Christi, TX. May 2016. International meeting.
- Murphy, G. A. and **L. L. Battaglia**. Habitat preferences of *Uca longisignalis* across Gulf Coast tidal marsh vegetation zones. Poster presentation. Annual Meeting of the Society of Wetland Scientists. Corpus Christi, TX. May 2016. International meeting.
- Battaglia, L. L.**, J. A. Cherry and M. S. Woodrey. Does prescribed fire enhance assisted migration of coastal vegetation? Oral presentation. Species on the Move Conference. Hobart, Australia. February 2016. International meeting.
- Akinola, E., M. S. Hacker and **L. L. Battaglia**. Effects of fire intensity on habitat restoration in coastal Mississippi. Poster presentation. Annual Meeting of the Society of Wetland Scientists. Providence, RI. May 2015. International meeting.
- Krings, B. D. and **L. L. Battaglia**. Anticipatory restoration of coastal communities in the face of climate change. Oral presentation. Annual Meeting of the Ecological Society of America, Baltimore, MD. August 2015. National meeting.
- Battaglia, L. L.** and J. S. Denslow. Hurricane disturbances accelerate region-wide disassembly of coastal bottomland forests in the face of sea level rise. Invited talk. Annual Meeting of the Ecological Society of America, Baltimore, MD. August 2015. National meeting.
- Battaglia, L. L.**, J. A. Cherry and M. S. Woodrey. Does local loss of resilience in coastal plant communities promote broad scale resilience through landward migration? (Invited symposium talk. Society of Ecological Restoration, Manchester, UK. September 2015. International meeting.
- Battaglia, L. L.** Assisted colonization of coastal communities: results of a futuristic transplant garden experiment. Oral presentation. CEER (Conference on Ecological and Ecosystems)

- Restoration). Elevating the Science and Practice of Restoration: a Collaborative Effort of NCER and SER. July 28-Aug 1, 2014. New Orleans LA. International Meeting.
- Krings, B. D. and **L. L. Battaglia**. The Pteridophyte fights back! Competition between the invasive exotic *Eichhornia crassipes* and the state endangered *Ceratopteris pteridoidea*. Oral presentation. CEER (Conference on Ecological and Ecosystem Restoration). Elevating the Science and Practice of Restoration: a Collaborative Effort of NCER and SER. July 28-Aug 1, 2014. New Orleans LA. International Meeting.
- Krings, B. D. and **L. L. Battaglia**. The Pteridophyte fights back! Oral presentation. Joint Aquatic Sciences Meeting (with SWS), May 18-23, 2014. Portland OR. International Meeting.
- Battaglia, L. L.** and J. S. Denslow. Long-term forest disassembly in a rapidly subsiding coastal Louisiana floodplain. Oral presentation. Joint Aquatic Sciences Meeting (with SWS), May 18-23, 2014. Portland OR. International Meeting.
- Baker, G. R. and **L. L. Battaglia**. Effects of altered hydrology on floodplain forests in the Cache River Basin. Poster presentation. Joint Aquatic Sciences Meeting (with SWS), May 18-23, 2014. Portland OR. International Meeting.
- Chupp, A. D., S. D. Sipes and **L. L. Battaglia**. Evaluating an orchid-pollinator network and the potential indirect effects of laurel wilt disease in coastal Mississippi, USA. Poster presentation. Annual meeting of the Entomological Society of America. November 10–13, 2013. Austin, TX. National Meeting.
- Chupp, A. D. and **L. L. Battaglia**. The potential for laurel wilt disease-induced host switching in the palamedes swallowtail (*Papilio palamedes*). Oral presentation. Annual meeting of the Entomological Society of America. November 10-13, 2013. Austin, TX. National Meeting.
- Chupp, A. D. and **L. L. Battaglia**. The potential for laurel wilt disease-induced host switching in the palamedes swallowtail (*Papilio palamedes*). Oral presentation. Biennial meeting of the Coastal Estuarine Research Federation. November 3–7, 2013. San Diego, CA. International Meeting.
- Battaglia, L. L.** Assisted colonization of coastal communities: results of a futuristic transplant garden experiment. Oral presentation. Biennial meeting of the Coastal Estuarine Research Federation. November 3–7, 2013. San Diego, CA. International Meeting.
- Chupp, A. D. and **L. L. Battaglia**. Ecological fitting and the potential for laurel wilt disease-induced host switching in *Papilio palamedes*. Poster presentation. 2nd biennial Grand Bay National Estuarine Research Reserve (NERR) Research Symposium. October 25–26, 2013. Moss Point, MS. Local Meeting.
- Battaglia, L. L.**, M. J. Abbott, A. D. Chupp, J. Fruchter and D. Harshbarger. Effects of hurricane storm surge and sediment deposition on coastal plant communities. Oral presentation. 98<sup>th</sup> annual meeting of the Ecological Society of America. August 4-9, 2013. Minneapolis, MN. National Meeting.
- Krings, B. D. and **L. L. Battaglia**. Contributions of exotic floating macrophytes to accretion in a rapidly subsiding coastal floodplain forest. Poster presentation. 98<sup>th</sup> annual meeting of the Ecological Society of America. August 4-9, 2013. Minneapolis, MN. National Meeting.

- Chupp, A. D. and **L. L. Battaglia**. The potential for laurel wilt disease-induced host switching in the palamedes swallowtail (*Papilio palamedes*). Oral presentation. 55th annual Southern Forest Insect Work Conference. July 23–26, 2013. New Orleans, LA. Regional Meeting.
- Battaglia, L. L.**, M. J. Abbott, A. D. Chupp, D. Harshbarger and J. Fruchter. Effects of hurricane storm surge and sediment deposition on coastal plant communities. Oral presentation. Annual meeting of the Society of Wetland Scientists. Duluth, MN. June 2 – 6, 2013. International meeting.
- Krings, B. D. and **L. L. Battaglia**. Ecological impacts of native and exotic floating macrophytes in a rapidly subsiding coastal floodplain. Poster presentation. Annual meeting of the Society of Wetland Scientists. Duluth, MN. June 2 – 6, 2013. International meeting.
- Chupp, A. D. and **L. L. Battaglia**. Ecological fitting and the potential for disease-induced host switching in *Papilio palamedes*. Poster presentation. 10th Annual Research Town Meeting. April 16, 2013. Carbondale, IL. Local Meeting (SIU).
- Fruchter, J. and **L. L. Battaglia**. Changing disturbance regimes and woody species dynamics in coastal wetlands. Oral presentation. 97<sup>th</sup> Annual Meeting of the Ecological Society of America. August 5-10, 2012. Portland, OR. National Meeting.
- Battaglia, L. L.** Assisted colonization: how far is too far? Results of a futuristic transplant garden experiment. Oral presentation. 97<sup>th</sup> Annual Meeting of the Ecological Society of America. August 5-10, 2012. Portland, OR. National Meeting.
- Paudel, S and **L. L. Battaglia**. Resilience of floating aquatic plant communities in coastal bottomlands of the lower Mississippi alluvial valley. Oral presentation. 97<sup>th</sup> Annual Meeting of the Ecological Society of America. August 5-10, 2012. Portland, OR. National Meeting.
- Abbott, M.J. and **L. L. Battaglia**. Effects of experimental storm surge and sedimentation on pitcher plants (*Sarracenia purpurea*) in a coastal pine savanna. Oral presentation. 97<sup>th</sup> Annual Meeting of the Ecological Society of America. August 5-10, 2012. Portland, OR. National Meeting.
- Harshbarger, D. and **L.L. Battaglia**. Remnant and restored community trajectories following disturbance. Oral presentation. 97<sup>th</sup> Annual Meeting of the Ecological Society of America. August 5-10, 2012. Portland, OR. National Meeting.
- Chupp, A. D. and **L. L. Battaglia**. Disease induced canopy gaps: the persistence niche and plant community dynamics. Poster presentation. 97<sup>th</sup> ESA annual meeting. Portland, OR. August 5 – 10, 2012. National meeting.
- Battaglia, L. L.** and H. J. Kalk. Use of assisted migration and community zonation patterns to build a climate-resilient coastal landscape. Oral presentation, Annual meeting of the Society of Wetland Scientists (joint meeting with INTECOL). Orlando, FL. June 3 – 8, 2012. International meeting.
- Chupp, A. D. and **L. L. Battaglia**. Multi-trophic Consequences of an Emerging Disease: Sources of Functional Redundancy and Ecosystem Resilience. Poster presentation. 1<sup>st</sup> annual Grand Bay National Estuarine Research Reserve (NERR) Research Symposium. Moss Point, MS. October 14 – 15, 2011. National meeting.

Chupp, A. D., **L.L. Battaglia** and J.F. Pagels. Mesopredator release and the divergence of small mammal communities in urban vs. rural parks. Oral presentation. 96<sup>th</sup> ESA annual meeting. Austin, TX. August 7 – 12, 2011. International Meeting.

**Battaglia, L. L.**, M. J. Abbott, A. D. Chupp and J. Fruchter. Effects of experimental storm surge and sediment deposition along an estuarine gradient in northwestern Florida, U.S.A. Oral presentation. Annual conference of the Society of Wetland Scientists. Prague, Czech Republic. July 3-8, 2011. International meeting.

**Battaglia, L. L.**, M. J. Abbott, A. D. Chupp and J. Fruchter. Effects of experimental storm surge and sediment deposition along an estuarine gradient in northwestern Florida, U.S.A. Oral presentation. Annual meeting of the International Association for Vegetation Science. Lyon, France. June 20-24, 2011. International meeting.

Chupp, A. D. and **L. L. Battaglia**. Life after redbay: predicting shifts in producer and consumer communities. Oral presentation. 31<sup>st</sup> Conference of Midwest Ecology & Evolution. Carbondale, IL. April 1-3, 2011. Regional meeting.

**Battaglia, L. L.**, M. J. Abbott, A. D. Chupp, J. Fruchter, J. Looft, and A. Thalhammer. Short term effects of experimental storm surge along a coastal transition ecosystem in northwestern Florida. Poster presentation. 15<sup>th</sup> annual Partners in Environmental Technology Technical Symposium & Workshop. Washington, D.C. November 30-December 2, 2010. National meeting.

Tate, A. S. and **L. L. Battaglia**. Are hurricane-generated storm surge and wrack deposition stepping stones for community reassembly? Oral presentation. Annual meeting of the Ecological Society of America. August 1-6, 2010. Pittsburgh, PA. National meeting.

**Battaglia, L. L.** Effects of storm surge disturbance on plant communities across a coastal transition ecosystem in northwestern Florida, USA. Oral presentation. Annual meeting of the Ecological Society of America. August 1-6, 2010. Pittsburgh, PA. National meeting.

Schmale, G. D., **L. L. Battaglia** and D. J. Gibson. Limitations of natural history data in a revisitation study of non-native invasive plants. Poster presentation. Annual meeting of the Ecological Society of America. August 1-6, 2010. Pittsburgh, PA. National meeting.

Paudel, S. and **L. L. Battaglia**. Predicting effects of altered tropical storm regimes on recruitment of native and invasive species along the coastal transition ecosystem at Grand Bay, Mississippi, USA. Oral presentation. Annual meeting of the Ecological Society of America. August 1-6, 2010. Pittsburgh, PA. National meeting.

Kalk, H. J. and **L. L. Battaglia**. Seed banks as components of ecosystem resilience in coastal ecosystems exposed to hurricane storm surge. Oral presentation. Annual meeting of the Ecological Society of America. August 1-6, 2010. Pittsburgh, PA. National meeting.

Looft, J. A. and **L. L. Battaglia**. Short-term effects of hurricane storm surge on floating marsh plant communities in the Mississippi Deltaic Plain. Poster presentation. Annual meeting



of the Ecological Society of America. August 1-6, 2010. Pittsburgh, PA. National meeting.

Whitehurst, H., J. Martinez, C. Swift, J. A. Looft, A. S. Tate and **L. L. Battaglia**. Salt and wet: effects of artificial storm surges on Gulf Coast wetland species. Poster presentation. Annual meeting of the Ecological Society of America. August 1-6, 2010. Pittsburgh, PA. National meeting.

**Battaglia, L. L.** Effects of storm surge disturbance on plant communities across a coastal transition ecosystem in northwestern Florida, USA. Oral presentation. Annual meeting of the Society of Wetland Scientists. June 27 – July 2, 2010. Salt Lake City, UT. International meeting.

**Battaglia, L. L.;** H. J. Kalk, J. A. Looft, S. Paudel and A. S. Tate. Characteristics of successful wetland ecology students. Invited symposium presentation. Annual meeting of the Society of Wetland Scientists. June 27 – July 2, 2010. Salt Lake City, UT. International meeting.

**Battaglia, L. L.** Does hurricane disturbance facilitate landward migration of coastal species along a tidal river ecosystem? Results of a storm surge experiment. Invited seminar speaker. June 9, 2010. Pymatuning Seminar Series, University of Pittsburgh.

**Battaglia, L. L.** Does hurricane disturbance facilitate landward migration of coastal species along a tidal river ecosystem? Results of a storm surge experiment. Invited seminar speaker. April 30, 2010. Department of Environmental and Plant Biology Seminar Series, Ohio University.

**Battaglia, L. L.;** S. Paudel, M. A. Foster and M. S. Woodrey. Climate change and proliferation of exotic species threaten coastal ecosystems. Invited symposium presentation. Coastal and Estuarine Research Federation, 20<sup>th</sup> Biennial Conference. November 1-5, 2009. Portland, OR. National meeting.

**Battaglia, L. L.;** M. S. Woodrey, H. J. Kalk and M. A. Foster. Back to the future: how do we develop ecologically appropriate targets for restoration under increased climatic extremes? Invited symposium presentation. 19th Conference of the Society for Ecological Restoration International. August 23-27, 2009. Perth, Australia. International meeting.

Kalk, H. J. and **L. L. Battaglia**. Donor seed banks as tools for assessing restoration targets in coastal ecosystems undergoing climate change. Poster presentation. 19th Conference of the Society for Ecological Restoration International. August 23-27, 2009. Perth, Australia. International meeting.

**Battaglia, L. L.;** W. J. Platt, L. J. Shirley and S. Phipps. Hurricane-generated wrack deposition drives community dynamics of a northern Gulf of Mexico coastal ecosystem. Oral presentation. Annual meeting of the Ecological Society of America. August 2-7, 2009. Albuquerque, NM. National meeting.

Kalk, H. J. and **L. L. Battaglia**. Donor seed banks as tools for assessing restoration targets in coastal ecosystems undergoing climate change. Poster presentation. Annual meeting of the Ecological Society of America. August 2-7, 2009. Albuquerque, NM. National meeting.

- Platt, W. J., **L. L. Battaglia**, S. W. Phipps, J. M. Huffman and M. S. Woodrey. Landscape ecology of coastal transitions along the northern Gulf of Mexico. Invited symposium presentation. Annual meeting of the Society of Wetland Scientists. June 21-26, 2009, Madison, WI. International meeting.
- McLane, C. R., **L. L. Battaglia**, D. J. Gibson and J. W. Groninger. Succession of exotic species assemblages in actively restored floodplain forests. Oral presentation. Annual meeting of the Society of Wetland Scientists. June 21-26, 2009, Madison, WI. International meeting.
- Paudel, S. and **L. L. Battaglia**. Climate change and potential shifts in distribution of exotic and native plant species in coastal ecosystems of the northern Gulf of Mexico. Oral presentation. Annual meeting of the Society of Wetland Scientists. June 21-26, 2009, Madison, WI. International meeting.
- Foster, M. A. and **L. L. Battaglia**. Hurricane effects on vegetation community composition at a coastal mitigation bank in Mississippi. Oral presentation. Annual meeting of the Society of Wetland Scientists. June 21-26, 2009, Madison, WI. International meeting.
- Tate, A. S. and **L. L. Battaglia**. A conceptual framework for examining the effects of hurricane-generated wrack deposition on coastal plant communities. Poster presentation. Annual meeting of the Society of Wetland Scientists. June 21-26, 2009, Madison, WI. International meeting.
- Foster, M. A. and **L. L. Battaglia**. Hurricane effects on vegetation community composition at a coastal mitigation bank in Mississippi. Poster presentation. National Mitigation and Ecosystem Banking Conference. May 5-8, 2009, Salt Lake City, UT. National meeting.
- Paudel, S. and **L. L. Battaglia**. Predicting the invasiveness of an alien plant *Triadica sebifera* under future climate change scenarios in southeastern United States. Oral presentation. Illinois Academy of Sciences. April 17-18, 2009, Edwardsville, IL. Regional meeting.
- McLane, C. R., **L. L. Battaglia**, D. J. Gibson and J. W. Groninger. Evaluating exotic species assemblages across a chronosequence of restored floodplain forests. Oral presentation (2<sup>nd</sup> place award in Botany Division). Illinois Academy of Sciences. April 17-18, 2009, Edwardsville, IL. Regional meeting.
- Battaglia, L. L.** L. J. Shirley and W. J. Platt. Invited symposium participant. Annual meeting of the Ecological Society of America, Milwaukee, WI, August 2008. Forecasting future ecosystem states in a time of global change: from models to management. "A conceptual framework for restoration and conservation of coastal ecosystems subject to chronic sea-level rise."
- Isbell, J. T., **L. L. Battaglia** and C. M. Ruffner. Biological invasions and the alteration of disturbance regimes: A case study of autumn olive (*Eleaegnus umbellata* Thunb.) invasion in upland oak-hickory forest. Oral presentation. Annual meeting of the Ecological Society of America, Milwaukee, WI, August 2008. National meeting.
- Battaglia, L. L.** L. J. Shirley and W. J. Platt. Invited symposium participant. Annual meeting of the Society of Wetland Scientists, Washington, DC, May 2008. Disassembly of coastal ecosystems in the face of global climate change: implications for conservation, management,

and restoration. "Conservation and management of coastal species in the face of rising sea level."

Makweche, P.T, S. Paudel, J. Looft, G. D. Schmale, D. R. Ernat. and **L. L. Battaglia**. Fire suppression effects on a coastal floating marsh ecosystem. Poster presentation. Society of Wetland Scientists annual meeting. Washington, DC, May 27-30, 2008. International meeting.

**Battaglia, L.L.**, V. B. Barko. and D. E. Henderson. Ecological indicators of floodplain forests within the Mississippi River Ecosystem. Oral presentation. Society of Wetland Scientists annual meeting. Washington, DC, May 27-30, 2008. International meeting.

**Battaglia, L. L.** Invited guest speaker. Annual Wetlands Symposium of the California Coastal Conservancy Meeting, San Diego, CA, May 2008. Adaptation strategies to address the impacts of climate change. "Sea level incursions and implications for conservation of coastal ecosystems."

Makweche, P. T. and **L. L. Battaglia**. Fire suppression effects on a coastal floating marsh ecosystem. Oral presentation. Illinois Academy of Sciences. Champaign, IL. April 4-5, 2008. Regional meeting.

Alsop, S., S. Ebbs, S., **L. L. Battaglia**, E. Woods, K. Luckett and B. Retzlaff. Evaluating storm water runoff quality from green roofs. Poster presentation. Illinois Academy of Sciences. Champaign, IL. April 4-5, 2008. Regional meeting.

McLane, C. R. and **L. L. Battaglia**. A conceptual model of exotic community change across a chronosequence of restored bottomland forests. Poster presentation. Illinois Academy of Sciences. Champaign, IL. April 4-5, 2008. Regional meeting.

Incauskis, J. R., **L. L. Battaglia** and D. J. Gibson. Exotic plant species invasion of roadsides in southern Illinois: a comparison between active and abandoned roadsides. Annual symposium of the US Regional Association for the International Association for Landscape Ecology (US-IALE). Oral presentation. Madison, WI. April 6-10, 2008. National meeting.

**Battaglia, L. L.** and W. J. Platt. Migration models for coastal transition communities subject to sea level rise. Oral Presentation. Ecological Society of America Annual Meeting, San Jose, CA, August 5 - 10, 2007. National meeting.

Incauskis, J. R., M. S. Hacker, **L. L. Battaglia**, and D. J. Gibson. An exotic species database for determining the distribution of exotic plants in southern Illinois. Poster presentation. Ecological Society of America Annual Meeting, San Jose, CA, August 5 - 10, 2007. National meeting.

**Battaglia, L. L.** and W. J. Platt. Invited symposium participant. Annual meeting of the Society of Wetland Scientists, Sacramento, CA, June 2007. Global Patterns. "Developing and testing migration models for coastal transition communities subject to sea level rise."

**Battaglia, L. L.** Invited symposium participant. Annual meeting of the Society of Wetland Scientists, Sacramento, CA, June 2007. Teaching Wetlands. "Meshing ecology, policy, and culture: the Mississippi Deltaic Plain wetland landscape as a classroom."

- Isbell, J. T. and **L. L. Battaglia**. Is a novel invasive growth form casting shadows of doubt on future understory dynamics? A case study of *Elaeagnus umbellata* in southern Illinois forests. Oral Presentation (**Isbell was co-1<sup>st</sup> place winner oral presentation**). Illinois Academy of Sciences Annual Meeting, Springfield, IL, April 20-21, 2007. State meeting.
- Marten, E. J. and **L. L. Battaglia**. Using removal experiments to determine impacts of the exotic *Poa compressa* on a dolomite prairie plant community. Oral Presentation. Illinois Academy of Sciences Annual Meeting, Springfield, IL, April 20-21, 2007. State meeting.
- Hacker, M., **L. L. Battaglia** and D. J. Gibson. Potential effects of the invasive *Celastrus orbiculatus* Thunb. on soil seedbank composition. Poster Presentation. Illinois Academy of Sciences Annual Meeting, Springfield, IL, April 20-21, 2007. State meeting.
- Battaglia, L. L.** and B. Beckage. Invited speaker. Southeast Region TER-S Workshop. February 2007. "Large-scale disturbances and ecological communities in the Southeast US."
- Incauskis, J. R., M. S. Hacker, **L. L. Battaglia** and D. J. Gibson. Construction of a Non-Native Invasive Species Database for Eleven Southern Illinois Counties. Oral presentation. Midwest Invasive Species Network Symposium, Milwaukee, WI, December 11-14, 2006.
- Sharitz, R. R. and **L. L. Battaglia**. Invited symposium participant. Exchanges between channel and floodplain in large rivers. "Forested floodplains and ecological services of large rivers: a biological perspective." Ecological Society of America Annual Meeting, Memphis, TN, August 6-11, 2006.
- Platt, W. J. K. L. Liu, **L. L. Battaglia**, and J. Whitbeck. Invited symposium participant. Ecological effects of Gulf Coast hurricanes: short-term impacts and long-term consequences. "Do hurricanes spur responses of coastal ecosystems to changing sea level?" Ecological Society of America Annual Meeting, Memphis, TN, August 6-11, 2006.
- Shirley, L. J. and **L. L. Battaglia**. Assessing vegetation change in coastal landscapes of the northern Gulf of Mexico using National Wetlands Inventory data. Oral presentation. Ecological Society of America Annual Meeting, Memphis, TN, August 6-11, 2006.
- Marten, E. J. and **L. L. Battaglia**. Prairie on the rocks: effects of *Poa compressa* on dolomite prairie pavement communities. Poster presentation. Ecological Society of America Annual Meeting, Memphis, TN, August 6-11, 2006.
- Isbell, J. T. and **L. L. Battaglia**. Does the invasive autumn olive alter community composition and fuelbed characteristics in upland hardwood forests of southern Illinois? Poster presentation. Ecological Society of America Annual Meeting, Memphis, TN, August 6-11, 2006. National meeting.
- Marten, E. J. and **L. L. Battaglia**. Prairie on the rocks: threats to the unique dolomite prairie plant communities of northeastern Illinois. Oral presentation. North American Prairie Conference, Kearney, NE, July 23-26, 2006. Regional meeting.
- Marten, E. J. and **L. L. Battaglia**. Prairie on the rocks: *Poa compressa* invasion of dolomite prairie pavements necessitates expansion of the driver/passenger model. Poster presentation. Association of Southeastern Biologists, Gatlinburg, TN, March 29-April 1, 2006. Regional meeting.
- Isbell, J. T. and **L. L. Battaglia**. Does the invasive autumn olive alter community composition and fire characteristics in upland hardwood forests of southern Illinois? Poster presentation.

Association of Southeastern Biologists, Gatlinburg, TN, March 29-April 1, 2006. Regional meeting.

**Battaglia, L. L.** and W. J. Platt. Disassembly and reassembly of coastal plant communities: the role of abiotic and biotic filters in invasion resistance to seaward and landward migrations. Oral presentation. Association of Southeastern Biologists, Gatlinburg, TN, March 29-April 1, 2006. Regional meeting.

Shirley, L. J. and **L. L. Battaglia**. Assessing vegetation change in coastal landscapes of the northern Gulf of Mexico using National Wetlands Inventory data. Midwest Ecology and Evolution Conference, St. Louis, MO, March 17-19, 2006. Shirley was 3<sup>rd</sup> place winner, oral presentation. Regional meeting.

Inczauskis, J. R. and **L. L. Battaglia**. Poster presentation. Illinois Academy of Sciences Meeting. Galesburg, IL. April 7-8, 2005.

Romano, S. P., J. J. Zaczek, K. Williard, D. J. Gibson, **L. L. Battaglia**, and S. G. Baer. Soil texture and forest strata relationships of the central floodplain forest, Lower Kaskaskia River, Illinois. Oral presentation. Mississippi River Research Consortium, April 28-29, 2005.

Shirley, L. and **L. L. Battaglia**. Fifty years of vegetation change in estuarine coastal transitions across the northern Gulf of Mexico. Poster presentation. Ecological Society of America. 2005. National meeting.

**Battaglia, L. L.** and J. R. Inczauskis. Wax myrtle controls recruitment of Chinese tallow and native wetland species in a Louisiana floating marsh. Oral presentation. Ecological Society of America. 2005. National meeting.

Shirley, L. and **L. L. Battaglia**. Fifty years of vegetation change in estuarine coastal transitions across the northern Gulf of Mexico. Poster presentation. Society of Wetland Scientists Meeting. 2005. International meeting.

Inczauskis, J. R. and **L. L. Battaglia**. Wax myrtle controls recruitment of Chinese tallow and native wetland species in a Louisiana floating marsh. Oral presentation. Illinois Academy of Sciences. 2004. State meeting.

**Battaglia, L. L.**, P. R. Minchin and D. W. Pritchett. Dispersal of bottomland hardwood forest species during old-field succession. Oral presentation. Association of Southeastern Biologists. 2004. Regional meeting.

**Battaglia, L. L.**, J. R. Inczauskis and J. S. Denslow. Wax myrtle controls recruitment of Chinese tallow and native wetland species in a Louisiana floating marsh. Oral presentation. Ecological Society of America. 2004. National meeting.

Platt, W.J. **L. L. Battaglia** and C. Yoder. Do large-scale disturbances influence plant community composition and structure along terrestrial: Marine transitions in southeastern coastal landscapes? Poster presentation. Ecological Society of America. 2004. National meeting.

**Battaglia, L. L.** and B. S. Collins. Disturbance, tolerance, and tree regeneration strategies in bottomland hardwood forests. Oral presentation. Annual meeting of the Society of Wetland Scientists, New Orleans, Louisiana, June 8-13, 2003. National Meeting.

**Battaglia, L. L.** and J. S. Denslow. *Sapium sebiferum* invasion of a forest-marsh complex in the Louisiana Deltaic Plain. Oral presentation. Annual meeting of the Ecological Society of America, Savannah, Georgia, August 3-8, 2003. National Meeting.

Collins, B. S. and **L. L. Battaglia**. Making it big in bottomlands: regeneration strategies of intermediate species. Oral presentation. Annual meeting of the Ecological Society of America, Savannah, Georgia, August 3-8, 2003. National Meeting.

**Battaglia, L. L.** and R. R. Sharitz. Congaree Swamp National Monument: Science Symposium I. January 2002. "Microsite variation and vegetation dynamics in floodplain forest gaps along a disturbance gradient."

**Battaglia, L. L.** and B. S. Collins. Annual meeting of the Association of Limnology and Oceanography, Albuquerque, New Mexico, February 2001. "Linking patterns: hydroperiod and vegetation in Carolina bay wetlands."

**Battaglia, L. L.** and R. R. Sharitz. Ecology and management of bottomland hardwood systems: the state of our understanding. Memphis, Tennessee, March, 1999. "Regeneration in bottomland hardwood forests: lessons learned and future challenges."

**Battaglia, L. L.** and R. R. Sharitz. Annual meeting of the Ecological Society of America, Baltimore, Maryland, August 1998. "Hurricane disturbance increases environmental heterogeneity in an old-growth bottomland hardwood forest."

## TEACHING EXPERIENCE

Teaching Interests and Specialties: My teaching experience has included majors and non-major undergraduate courses, undergraduate/graduate-level courses, and graduate seminars on a variety of topics (*e.g.*, invasive species, novel ecosystems). I regularly teach Community Ecology & Multivariate Analysis; Introductory Biostatistics; Wetland Ecology & Management; and Environmental Issues.

### Students Who Have Completed Graduate Degrees Under My Advisorship:

Laura Pollock (née Shirley) (M.S. earned 2005)

Craig McLane (M.S. earned 2009)

Anthony Tate (M.S. earned 2010)

Hannah Kalk (M.S. earned 2011)

Jason Inczauskis (M.S. earned 2011)

Emily Stork (née Marten) (M.S. earned 2011)

Jesse Fruchter (M.S. earned 2012)

Matthew Abbott (M.S. earned 2012)

Shishir Paudel (Ph.D. earned 2013)

Diane Harshbarger (M.S. earned 2013)

Adam Chupp (Ph.D. earned 2014)

Molly Hacker (M.S. earned 2018)

Brad Delfeld (M.S. earned 2019)

Gwen Murphy (M.S. earned 2020)

Current Graduate Students:

William Sipek (M.S. program Fall 2016, defense scheduled May 2021)

Camille Steenrod (M.S. program, started Fall 2020)

Nicholas Bethel (Ph.D. program, accepted for Fall 2021)

Juliana Stratford (M.S. program, accepted for Fall 2021)

**PROFESSIONAL SERVICE**

Officer Positions and Steering Committees

Past President, Society of Wetland Scientists, Executive Board: 2021-present

President, Society of Wetland Scientists, Executive Board: 2020-2021

President Elect, Society of Wetland Scientists, Executive Board: 2019-2020

Society of Wetland Scientists Awards Committee Chair: May 2017-May 2019

Secretary-General, Society of Wetland Scientists Executive Board: May 2014-May 2017

Secretary, Vegetation Section of the Ecological Society of America: August 2007-August 2020

President, North Central Chapter of Society of Wetland Scientists: June 2011-June 2013

Society of Wetland Scientists Students Grants Awards Committee: January 2010-December 2011

ESA Cooper Award Committee: January 2004-December 2005.

Steering Committee, Bottomland Hardwoods Symposium: August 2006-February 2008.

Steering Committee, The Shawnee Conservation and Development Council River to River

Cooperative Weed Management: January 2006-December 2008.

Editorships

Associate Editor, *Wetlands*. November 2017-present

Associate Editor, *Biological Invasions*. December 2014-present

Coordinating Editor, *Restoration Ecology*. September 2009-present

Subject Editor, *Castanea*. May 2007-May 2009

Associate Editor, *Wetlands*. January 2003-December 2005

Memberships

Ecological Society of America

Society of Wetland Scientists

Association of Southeastern Biologists

International Association of Vegetation Scientists

Society of Ecological Restoration

Coastal and Estuarine Research Federation

Association of State Wetland Managers

Synergistic Activities

Special Feature in *Wetlands* (co-edited with Julia Cherry). Tidal wetlands in a changing climate.  
(Released in 2019).

Symposium (co-organizer). 103<sup>rd</sup> Annual Meeting of the Ecological Society of America. Scaling up:  
Using small-scale restoration to plan large-scale resilience. New Orleans, LA. (August 2018).  
National meeting.

Organized Oral Session (co-organizer). 101st Annual Meeting of the Ecological Society of America  
Meeting. Ecosystems in motion: thresholds of resilience to the press disturbance of sea level  
change among North American coastal landscapes. Ft. Lauderdale, FL. (August 2016). National  
meeting.

Organized Oral Session (co-organizer). 100<sup>th</sup> Annual Meeting of the Ecological Society of America.  
Dynamics, Conservation Status, and Future of the Eastern Deciduous Forest Biome: A Session  
in Honor of E. Lucy Braun," Baltimore, MD. (August 2015). National meeting.

Ecological Resilience Workshop Participant (invited): Taking resilience back to its ecological roots (a CEED NERP workshop): December 16-18, 2013, Rottneest Island, Australia  
 Ecological Resilience Workshop Participant (invited): August 23-27, 2009, Perth Australia.  
 Co-organizer (with Brian Beckage) of ESA meeting symposium. "Forecasting future ecosystem states in a time of global change: from models to management." Milwaukee, WI, August 2008.  
 Co-organizer (with Bill Platt) of SWS meeting symposium. "Disassembly of coastal ecosystems in the face of global climate change: implications for conservation, management, and restoration". Washington, DC, May 2008.  
 PEATNET Workshop Participant. What is peat? March 2008, Philadelphia, PA.  
 Lower Mississippi Valley Workshop. Developing a conceptual model for the Lower Mississippi Valley ecosystem. June 2006, Lafayette, LA.

### Panels

National Science Foundation, NEON Program Review: January 2021  
 USDA Weed Ecology: October 2020  
 National Academies of Sciences, Gulf Research Program, Healthy Ecosystems Panel: January 2020  
 National Science Foundation, NEON Program Review: July 2018  
 National Academies of Sciences, Gulf Research Program, Capacity Building Grants Panel: June 2018  
 Expert Panel on Diversion Planning and Implementation: Jan 2014-September 2016  
 Environmental Protection Agency STAR grants, Nutrient Management Panel: April 2013  
 National Academies of Science, Committee Member, Independent Scientific Review of Everglades Restoration Progress: October 2012-2014  
 Environmental Protection Agency, Chesapeake Bay Panel: 2011, 2012  
 Environmental Protection Agency Review for STAR fellowships, Terrestrial Systems Ecology Panel: 2008  
 Protocols Evaluation Program for Grand Canyon Monitoring and Research Center: 2007  
 National Science Foundation Review Panelist for Doctoral Dissertation Improvement Grants: 2006  
 Environmental Protection Agency Review Panelist for STAR fellowships, Terrestrial Plant Ecology - Plants and Soils: 2004, 2006, 2007  
 Environmental Protection Agency Review Panelist for STAR fellowships, Terrestrial Ecology - Plants and Animals: 2005, 2006

### Review of Manuscripts and Grant Proposals

Reviewed grant proposals for NSF-Division of Environmental Biology; LA Board of Regents; and National Academies Gulf Research Program, Healthy Ecosystems.

Reviewed manuscripts for the following journals:

<i>American Journal of Botany</i>	<i>American Midland Naturalist</i>	<i>Biological Conservation</i>
<i>Biological Invasions</i>	<i>Canadian Journal of Forest Research</i>	<i>Castanea</i>
<i>Ecological Applications</i>	<i>Ecological Engineering</i>	<i>Ecosphere</i>
<i>Ecosystems</i>	<i>Environmental Management</i>	<i>Forest Ecology &amp; Management</i>
<i>Global Change Biology</i>	<i>Hydrobiologia</i>	<i>Journal of Applied Ecology</i>
<i>Journal of Ecology</i>	<i>Journal of the Torrey Botanical Society</i>	<i>Journal of Tropical Ecology</i>
<i>Journal of Vegetation Science</i>	<i>Plant Ecology</i>	<i>Restoration Ecology</i>
<i>Wetlands</i>		

### **INVITED SEMINARS**

Mississippi State University 2020 (Department of Wildlife, Fisheries and Aquaculture). "Invasive species research and management in Mississippi."



- Pontchartrain Conservancy (Coastal Forest Workshop). October 2020. "Upslope migration of coastal forest and marsh transgression in response to sea level rise."
- Louisiana State University (School of Renewable Natural Resources webinar). May 2020. "Coastal communities of the northern Gulf of Mexico: a land of water, fire, wind and beauty."
- Southern Illinois University Edwardsville, Edwardsville, IL. April 2019. "Dynamics of coastal ecosystems at the forefront of climate change"
- Argonne National Laboratory, Lemont, IL. November 2016. "Gulf Coast wetlands at the forefront of climate change."
- Audubon Society, Carbondale, IL. January 2016. "The Florida Everglades: ecology, threats, and restoration."
- Lindenwood University, Biological Sciences, Belleville IL. October 2015. "Rising seas and coastal plant community change."
- University of Illinois Department of Natural Resources and Environmental Sciences seminar series, Champaign, IL. October 2014. "Assisted colonization: how far is too far? Results of futuristic transplant experiments in Gulf Coast communities."
- Loyola University Department of Biological Sciences seminar series, New Orleans, LA. April 2014. "Climate change impacts on coastal plant communities: constraints and opportunities for migration."
- University of Mississippi Department of Biological Sciences seminar series, Oxford, MS. October 2013. "Rock you like a hurricane: effects of climate change and intensified tropical storms on coastal plant communities."
- Murray State University Department of Biological Sciences seminar series, Murray, KY. September 2012. "Keeping pace with climate change: natural and assisted migration of coastal plant species."
- University of Georgia Joseph W. Jones Ecological Center at Ichauway seminar series, Newton, GA. September 2010. "Effects of natural and experimental hurricane storm surges on coastal ecosystems of the northern Gulf of Mexico."
- University of Pittsburgh Pymatuning Laboratory of Ecology seminar series. June 2010. "Disassembly of coastal ecosystems in the face of global climate change: implications for conservation, management, and restoration."
- University of Florida Levin College of Law Symposium: The sea around us: coastal communities, sea level rise and ecosystem migration. February 2010. "A conceptual framework for restoration and conservation of coastal ecosystems subject to chronic sea-level rise."
- U. S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS. March 2008. "Disassembly of coastal ecosystems in the face of global climate change: implications for conservation, management, and restoration."
- Texas Tech University. April 2007. "Disassembly and reassembly of coastal plant communities: the role of abiotic and biotic filters in invasion resistance to seaward and landward migrations."
- Eastern Illinois University. November 2006. "Disassembly and reassembly of coastal plant communities: the role of abiotic and biotic filters in invasion resistance to seaward and landward migrations."
- Lindenwood University. October 2006. "Disassembly and reassembly of coastal plant communities: the role of abiotic and biotic filters in invasion resistance to seaward and landward migrations."
- Advanced Ecology Series, Fudan University, China. June 2006. Delivered 9 hours of lecture material covering global climate change and wetland ecology.
- Southern Illinois University Edwardsville Department of Biological Sciences seminar series. September 2005. "Wax myrtle controls recruitment of Chinese tallow and native wetland species in a Louisiana floating marsh."
- Association of Women in Science, University of Louisiana at Monroe chapter. April 2004. "*Triadica sebifera* invasion of a forest-marsh complex in the Louisiana Deltaic Plain."

University of Memphis Department of Biological Sciences seminar series. October 2003. "Gentle slopes, steep gradients: environmental determinants of wetland community composition."  
Illinois Natural History Survey seminar series. May 2003. "Gentle slopes, steep gradients: environmental determinants of wetland community composition."  
University of Louisiana, Monroe Department of Biological Sciences seminar series. April 2002. "Sixteen years of old-field succession and reestablishment of a bottomland hardwood forest in the Lower Mississippi Alluvial Valley."  
Louisiana State University, Department of Natural Resources, luncheon seminar series, March 2002. "Senescent populations and shifting composition in a subsiding coastal bottomland forest."  
National Wetlands Research Center, January 2002. "Regeneration of bottomland hardwood communities following natural and anthropogenic disturbances."  
Sigma Xi luncheon seminar series, October 2001. "Ecological processes and conservation challenges in southeastern floodplain forests."  
University of New Orleans Department of Biological Sciences seminar series. May 2000. "Microsite heterogeneity and regeneration patterns along a post-hurricane disturbance gradient in an old-growth bottomland hardwood forest."

**RECENT COLLABORATORS (other than students in my lab)**

Mark Woodrey	Julia Cherry	Richard Keim	Andy Nyman
William Conner	Pamela Weisenhorn	William Conner	Rachel Standish
Behzad Mortazavi	Brandon Bestelmeyer	Andrew Barton	Sammy King
Nancy Shackelford	Stephen Murphy	Clay Tucker	Paul Gagnon
Scott Phipps	Lyle Guyon	Paul Gagnon	Brice Hanberry
Lin Zhang			