

## ***CURRICULUM VITAE***

**Tiffany G. Troxler, Ph. D.**

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### **EDUCATION**

- 2005     Doctor of Philosophy: Biological Sciences. Department of Biological Sciences, Florida International University, Miami, FL 33199; Dr. Daniel Childers, major advisor  
*“Investigating Ecosystem Responses to Hydrologic Change and Mechanisms for Nitrogen Sequestration in Seasonally Flooded Tree Islands of the Southern Everglades”*
- 2001     Master of Science: Biological Sciences. Department of Biological Sciences, Florida International University, Miami, FL 33199; Dr. Daniel Childers, major advisor  
*“Investigating Tree Island Community Response to Increased Water Flow on Seasonally Flooded Tree Islands in the Southern Everglades”*
- 1997     Bachelor of Science: Environmental Sciences. Department of Environmental Studies, Florida International University, Miami, FL 33199
- 1993     Bachelor of Arts: Anthropology. Department of Anthropology, Tulane University, New Orleans, LA 70118; Minor: Ecology. Department of Ecology, Evolution, and Organismal Biology

### **RESEARCH INTERESTS**

Ecosystem ecology; biotic control of ecosystem and landscape patterns and processes; wetland biogeochemistry; global environmental change; landscape biogeochemical processes; plant-soil interactions; conservation, management and restoration of forest and wetland ecosystems

### **PROFESSIONAL EXPERIENCE**

#### Research Experience

- 2011 – present     Programme Officer and Visiting Researcher, Task Force on National Greenhouse Gas Inventories, Technical Support Unit, Intergovernmental Panel on Climate Change, Institute for Global Environmental Strategies, Japan
- 2010 – present     Assistant Research Faculty, Southeast Environmental Research Center, Florida International University
- 2010 - 2011        Consultant, Penn State. *“Mangrove forest functioning in response to hurricane disturbances”*, Dr. Jose Fuentes, PI
- 2007 - 2010        Postdoctoral Associate/Visiting Research Faculty, Department of Biological Sciences, Florida International University. *“Study of arctic ecosystem changes in the International Polar Year using the International Tundra Experiment”*, Dr. Steven Oberbauer, PI

- 2006 - 2010 Visiting Research Faculty, Southeast Environmental Research Center, Florida International University.
- 2005 - 2007 Postdoctoral Associate/Visiting Research Faculty, Department of Biological Sciences, Florida International University. *“Determining hydrological requirements for aquatic slough vegetation”*, Dr. Jennifer Richards, PI
- 2006 - 2009 Research scientist, Institute for Regional Conservation, Miami, FL. Wetland ecosystem conservation consultant.

Teaching and Mentoring Experience

- 2011 - 2012 NSF Research Experience for Undergraduates (REU) Mentor (University of Miami Department of Biology undergraduate Christopher Sanchez)
- 2011 University of Florida Ph.D. Candidate Mentor
- 2011 Instructor, Department of Biological Sciences, Florida International University, Course taught: Student Research Laboratory (BSC 3915/4915)
- 2010 Graduate Faculty, Department of Biological Sciences, Florida International University
- 2007 – 2008 Instructor, Department of Biological Sciences, Florida International University. Course Taught: NCEAS-funded Graduate Student Distributed Seminar –Ushering in a New Era of Functional Ecology: Dynamics in a Changing Environment - FIU lead (BSC 5935 U04 Biology Graduate Seminar: Special Topic)
- 2007 Adjunct Instructor, Department of Biological Sciences, Florida International University. Course Taught: General Ecology (PCB 3043)
- 2002 – 2004 Adjunct Instructor, Environmental Studies Department, Florida International University. Course Taught: Field Applications in Restoration Ecology (EVR 4934)
- 1998 – 2003 Teaching Assistant, Department of Biological Sciences, Florida International University. Courses taught: General Ecology Laboratory (PCB 3043L), General Biology I (BSC 1011L) & General Biology II (BSC 1012L) Laboratory Sections
- 2007 – 2009 NSF Florida Coastal Everglades LTER Schoolyard Program Intern Mentor (Felix Varela High School student Ben Giraldo)
- 2005 – 2008 NSF Research Experience for Undergraduates (REU) Mentor (EVR B.S. undergraduate Joshua Mahoney, EVR B.A. undergraduate Olga Sanchez)
- 2005 – 2008 Instructor, Environmental Studies Department, Florida International University. Course Taught: Independent Study (EVR 4905)
- 2004 – 2005 National Oceanic and Atmospheric Administration Environmental Science Research Internship Program Mentor (EVR B.S. undergraduate Joshua Mahoney)

Other Work Experience

- 1996 – 1997 Cape Florida Restoration Project, Cape Florida State Park, Restoration Practitioner and Volunteer Coordinator.

**TECHNICAL EXPERIENCE**

- \*Wet chemical methods for analyses of various forms of phosphorus and nitrogen in plant tissue, soil and water
- \*Automated instrumentation of phosphorus, nitrogen and carbon analyses including Technicon auto-analyzer, Shimadzu spectrophotometer and HP gas chromatograph
- \*Various soil biogeochemical techniques including pool dilution nitrogen enrichment experiments, N and P microbial biomass including persulfate digestion, acetylene reduction and enzyme activities with 4-methyumbelliferyl (MUF) substrates
- \*In-situ field measurement of CO<sub>2</sub> with LICOR 8100 and nondispersive infrared sensors
- \*Hydrogeological well installation and monitoring
- \*Numerous techniques of plant and animal community measurements in terrestrial and wetland environments
- \*Proficient with statistical and analytical software including JMP, R, MetaWin, Surfer, AqQA, Stella
- \*Exotic pest plant monitoring, eradication and other restoration management techniques

## RESEARCH & GRANTSMANSHIP

### Contracts

- Troxler, T. (PI)**, Richards, J. (co-PI). Monitoring for potential water quality impacts along Eastern Everglades National Park. Department of the Interior, National Park Service. \$115,000. June 2012-June 2013.
- Troxler, T. (PI)**, Richards, J. (co-PI). Surface-groundwater interactions in Everglades tree islands. South Florida Water Management District. \$89,350. January 2012-December 2012.
- Troxler, T. (PI)**. Hydrogeochemical patterns at temporal and spatial scales of a “pristine” island and a degraded tree island located in WCA-3A: Restoring ecological function of degraded tree islands. South Florida Water Management District, Everglades Division. \$39,600. March 2011-November 2011.
- Troxler, T. (PI)**, Richards, J. (co-PI). Carbon dioxide efflux from mangrove soil and woody debris. Department of Interior, National Park Service. \$14,000. September 2010-June 2012.
- Troxler, T. (PI)**, Richards, J. (co-PI), Engel, V. (co-PI). Surface-groundwater interactions in Everglades tree islands, U.S. Army Engineer Research and Development Center. \$166,000. September 2010-December 2011.
- Troxler, T. (PI)**, Richards, J. (co-PI). Monitoring for potential water quality impacts along Eastern Everglades National Park. Department of the Interior, National Park Service. \$120,000. June 2011-June 2012.
- Troxler, T. (PI)**, Gaiser, E. (co-PI). Ecological monitoring of southern Everglades wetlands, mangrove transition zone and “white zone” interactions with Florida Bay. South Florida Water Management District, Florida Bay Program. \$340,000. September 2010-September 2012.
- Troxler, T. (PI)**, Richards, J. (co-PI). Spatial pattern in nutrient fluxes on two tree islands in WCA-3A: toward restoration of degraded tree islands. South Florida Water Management District, Everglades Division. \$89,950. March 2010-December 2010.
- Troxler, T. (PI)**, Richards, J. (co-PI). Monitoring data of the southern Everglades ecosystem for adaptive management of operations and restoration. South Florida Water Management District, Florida Bay Program. \$34,975. January 2010-July 2010.

- Troxler, T. (PI)**, Richards, J. (co-PI). Monitoring for potential water quality impacts along Eastern Everglades National Park. Department of the Interior, National Park Service. \$120,000. June 2010-June 2011.
- Troxler, T. (PI)**, Richards, J. (co-PI). Data synthesis & refinement of tree island nutrient budgets. South Florida Water Management District, Everglades Division. \$49,975. February 2009-December 2009.
- Troxler, T. (PI)**, Richards J. (co-PI). Paleocological and physiological impacts of reduced water flow on estuarine research guidelines for ecosystem restoration, Everglades National Park, Critical Ecosystems Studies Initiative Program, \$65,000. October 2008-September 2010.
- Troxler, T. (PI)**. Monitoring for potential water quality impacts along Eastern Everglades National Park, National Park Service (change to PI from previous award to D. Childers).
- Troxler, T. (PI)**, Childers, D. (co-PI). C-111 monitoring plan for southern wetlands, transition zone and flows into Florida Bay. South Florida Water Management District, Florida Bay Program. \$102,500. September 2008-November 2009.
- Troxler, T. (PI)**, Childers, D. (co-PI). Spatial and temporal variability in water quality of tree island 3AS3. South Florida Water Management District, Hydrogeology Division. \$40,000. June 2007-May 2009.
- Childers, D. (PI), **Troxler, T. (co-PI)**. Monitoring for potential water quality impacts along Eastern Everglades National Park, National Park Service, \$330,000. June 2007-May 2010.
- Childers, D. (PI), **Troxler, T. (co-PI)**. Monitoring of the southern Everglades ecosystems for adaptive management of environmental restoration activities. South Florida Water Management District, Florida Bay Program. \$48,900. January 2008-July 2008.
- Troxler, T. (PI)**, Childers, D. (co-PI). Pilot study for calculating nutrient and hydrologic fluxes in a tree island. South Florida Water Management District, Everglades Division. \$150,000. October 2006-September 2008.

*Grants and Fellowships (last 10 years)*

- Gaiser, E (Lead PI). FCE III: Coastal Oligotrophic Ecosystems renewal proposal. National Science Foundation. **Troxler, T.**, subcontract, \$70,000. January 2012-December 2018.
- McDowell, W. (PI), **Troxler, T. (co-PI)**, Vanderbilt, K. (co-PI), Redman, C. (co-PI). US-Mexico Workshop: Catalyzing international collaborations to develop a platform for ecohydrological research - Chamela, Jalisco, Mexico, September 2012. National Science Foundation. \$48,017. September 2011-December 2012.
- Troxler, T.**, Gaiser, E. FCE LTER Supplemental Grant. National Science Foundation. \$4000. July 2011.
- Troxler, T.**, Gaiser, E. FCE LTER Supplemental Grant. National Science Foundation. \$7840. July 2010.
- Troxler, T.**, Childers, D., Gaiser, E. FCE LTER Supplemental Grant. National Science Foundation. \$5054. July 2007.
- Troxler, T.**, Childers, D., Gaiser, E. FCE LTER Supplemental Grant. National Science Foundation. \$12900. July 2006.
- Troxler, T.** Short-term Post-Doctoral Research Fellowship. Smithsonian Tropical Research Institute. \$2000. January 2006.

- Troxler, T.** Dissertation Year Fellowship. University Graduate School, Florida International University. \$18000. August 2004.
- Troxler, T., Childers, D.** FCE LTER Supplemental Grant. LTER Graduate Student Collaborative Research Symposium. National Science Foundation. \$45,000. February 2004.
- Troxler, T.** Graduate Research Grant, FIU Graduate Student Association, \$1000. December 2003.
- Troxler, T.** Tinker Field Research Grant, FIU Latin American and Caribbean Center and Center for Transnational and Comparative Studies \$1500. August 2003.
- Daoust, R. **Troxler, T.,** Crenshaw, C., Kane, E. LTER Graduate Student Collaborative Research Symposium working group grant. US LTER Network Office. \$5000. February 2003.
- Troxler, T.** Short-term Pre-Doctoral Research Fellowship. Smithsonian Tropical Research Institute. \$1000. November 2003.
- Troxler, T.** Conference Travel Grant. Graduate Student Association, Florida International University. \$500. December 2003.
- Troxler, T.** Graduate Research Grant. Graduate Student Association, Florida International University. \$1000. December 2003.
- Troxler, T.** Research Grant. US LTER Network Office. \$500. January 2003.
- Troxler, T.** Conference Travel Grant. Graduate Student Association, Florida International University. \$500. December 2002.
- Troxler, T.** Graduate Research Grant. Graduate Student Association, Florida International University. \$1000. December 2002.
- Troxler, T.** Conference Travel Grant. Graduate Student Association, Florida International University. \$500. December 2001.

## **PUBLICATIONS**

### *Published/Accepted*

- Troxler, T.G.,** M. Ikenaga, L. Scinto, J. Boyer, R. Condit, R. Perez, G. Gann, and D. Childers. 2012. Patterns of soil bacteria and canopy community structure related to tropical peatland development. Wetlands DOI: 10.1007/s13157-012-0310-z.
- Elmendorf S.C., G.H.R. Henry, R.D. Hollister, R.G. Björk, A.J. Bjorkman, T.V. Callaghan, E.J. Cooper, J.H.C. Cornelissen, T.A. Day, A.M. Fosaa, W.H Gould., J. Grétarsdóttir, J. Harte, L. Hermanutz, D.A. Hik, A. Hofgaard, F. Jarrad, I.S. Jónsdóttir, F. Keuper, K. Klanderud, J.A. Klein, S. Koh, G. Kudo, S. Lang, V. Lowen, J.L. May, J. Mercado, A. Michelsen, U. Molau, S. Pieper, C.H. Robinson, L. Siegart, I. Myers-Smith, S.F. Oberbauer, E. Post, C. Rixen, N.M. Schmidt, G.R. Shaver, A. Tolvanen, O. Totland, **T. Troxler,** C.H. Wahren, P.J. Webber, J.M. Welker, P. Wookey. 2012. Global assessment of experimental climate warming on tundra vegetation: heterogeneity over space and time. Ecology Letters 15: 164-175.
- Elmendorf, S.C., G.H.R. Henry, R.D. Hollister, R.G. Björk, N. Boulanger-Lapointe, E. J. Cooper, J. H.C. Cornelissen, T. A. Day, E. Dorrepaal, T.G. Elumeeva, M. Gill, W. A. Gould, J. Harte, D. S. Hik, A. Hofgaard, D. R. Johnson, J. F. Johnstone, I. S. Jónsdóttir, J.C. Jorgenson, K. Klanderud, Julia A. Klein, S. Koh, G. Kudo, M. Lara, E. Lévesque, B. Magnússon, J. L. May, J. A. Mercado-Díaz, A. Michelsen, U. Molau, I. H. Myers-Smith, S. F. Oberbauer, V. G. Onipchenko, C. Rixen, N. M. Schmidt, G. R. Shaver, M. J. Spasojevic, Þ. E. Þórhallsdóttir, A. Tolvanen, **T. Troxler,** C. E. Tweedie, S. Villareal, C.-H. Wahren, X. Walker, P. J. Webber, J. M.

- Welker, S. Wipf. 2012. Linking plot scale evidence of tundra vegetation change to recent summer warming. *Nature-Climate Change* DOI: 10.1038/NCLIMATE1465.
- Richards, J.H., **T.G. Troxler**, D.W. Lee, M.S. Zimmerman. 2011. Experimental determination of effects of water depth on *Nymphaea odorata* growth, morphology and biomass allocation. *Aquatic Botany* 95:9-16.
- Richards J.H., M. Dow, **T. Troxler**. 2011. Modeling *Nymphoides* architecture: a morphological analysis of *Nymphoides aquatica*. *American Journal of Botany* 97:1761-1771.
- Wetzel P.R., F.H. Sklar, C.A. Coronado, **T.G. Troxler**, S.L. Krupa, P.L. Sullivan, S.Ewe and S. Newman. 2011. Biogeochemical processes on tree islands in the Greater Everglades: Initiating a new paradigm. *Critical Reviews in Environment and Technology* 41:670-701.
- Larsen, L., N. Aumen, C. Bernhardt, V. Engel, T. Givnish, S. Hagerthey, J. Harvey, L. Leonard, P. McCormick, C. McVoy, G. Noe, M. Nungesser, K. Rutchey, F. Sklar, **T. Troxler**, J. Volin, D. Willard. 2011. Recent and historic drivers of landscape change in the Everglades ridge, slough, and tree island mosaic. *Critical Reviews in Environment and Technology* 41: 344-381.
- Rivera-Monroy, V.H., R.R. Twilley, S.E. Davis III, D.L. Childers, M. Simard, R. Chambers, R. Jaffe, J.N. Boyer, D. Rudnick, K. Zhang, E. Castañeda-Moya, S. Ewe, C. Coronado-Molina, M. Ross, T.J Smith III, B. Michot, E. Meselhe, W. Nuttle, **T. Troxler**, G.B. Noe. 2011. The Role of the Everglades Mangrove Ecotone Region (EMER) in Regulating Nutrient Cycling and Wetland Productivity in South Florida. *Critical Reviews in Environment and Technology* 41: 633-669.
- M. J. Spasojevic, R.J. Aicher, G.R. Koch, E. Marquardt, N. Mirotchnick, **T.G. Troxler** and S.L. Collins. 2010. Fire and grazing in mesic tallgrass prairie: impacts on plant species and functional traits. *Ecology* 91: 1651-1659.
- Troxler, T.G.** and D.L. Childers. 2010. Biogeochemical contributions of tree islands to Everglades wetland landscape nitrogen cycling during seasonal inundation. *Ecosystems* 13: 75-89.
- Troxler, T.G.** and J.H. Richards. 2009.  $\delta^{13}\text{C}$ ,  $\delta^{15}\text{N}$ , carbon, nitrogen and phosphorus as indicators of plant ecophysiology and organic matter pathways in Everglades deep slough, Florida. *Aquatic Botany* 91: 157-169.
- Troxler, T.G.** and D.L. Childers. 2009 Litter decomposition promotes differential feedbacks in an oligotrophic southern Everglades wetland. *Plant Ecology* 200: 69-82.
- Wetzel, P.R., A.G. van der Valk, S. Newman, C. A. Coronado, **T.G. Troxler-Gann**, D.L. Childers, W.H. Orem, F. H. Sklar. 2009. Heterogeneity of phosphorus distribution in a patterned landscape, the Florida Everglades. *Plant Ecology* 200: 83-90.
- Troxler, T.G.** 2007. Patterns of phosphorus, nitrogen and  $^{15}\text{N}$  along a peat development gradient in a coastal mire, Panama. *Journal of Tropical Ecology* 23: 683-691.

**Troxler Gann, T.** and D.L. Childers. 2006. Relationships between hydrology and soils describe vegetation patterns in seasonally flooded tree islands of the southern Everglades, Florida. *Plant and Soil* 279: 273-288.

Wetzel, P.R., A.G. van der Valk, S. Newman, D.E. Gawlik, **T. Troxler Gann**, C.A. Coronado-Molina, D.L. Childers, F.H. Sklar. 2005. Nutrient Redistribution Key to Maintaining Tree Islands in the Florida Everglades. *Frontiers in Ecology and the Environment* 3: 370-376.

**Troxler Gann, T.**, D.L. Childers and D.N. Rondeau. 2005. Ecosystem nutrient dynamics and hydrologic variation in tree islands of the southern Everglades. *Forest Ecology and Management* 214: 11-27.

Anderson, W.T., L. Sternberg, M.C. Pinzon, **T. Gann-Troxler**, D.L. Childers, and M. Duever, 2005. Carbon isotopic composition of cypress trees from South Florida and changing hydrologic conditions. *Dendrochronologia* 23: 1-10.

**Gann, T. T.** 2002. Response of Everglades tree islands to increased freshwater flow (Florida). *Ecological Restoration* 20: 211-212.

#### *In Revision*

**Troxler, T.G.**, C. Coronado-Molina, D. Rondeau, S. Krupa, R. Price, P. Wetzel, F. Sklar. Interactions of biological and hydrogeochemical processes facilitate phosphorus dynamics in an Everglades tree island. *Ecosystems*

**Troxler, T.G.**, C. Coronado-Molina, F. Sklar, S. Krupa, P. Wetzel. Loss of tree patches represents additional nutrient source to a large wetland landscape: implications for environmental management. *Ecosystems*.

## **SYNERGISTIC ACTIVITIES AND PROFESSIONAL AFFILIATIONS**

### *Synergistic Activities*

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|----------------------|---|
| March 2012 – present | The 11 <sup>th</sup> INTECOL Congress, Ecology 2013 – session co-organizer – “International perspectives from long term research on ecosystem carbon budgets” |
| June 2012            | The 9 <sup>th</sup> INTECOL International Wetlands Conference 2012 – session co-organizer – “Patterns and drivers of carbon storage in peatlands”             |
| Sept 2010 - present  | US LTER Network International Committee   |
| Oct 2009             | NCEAS Working Group – co-Lead - “Long-term phenological changes in tundra plants in response to experimental warming and observed changes in climate”         |
| Sept 2009            | NSF LTER Network All Scientists Meeting, Estes Park, CO – “Biogeochemical Complexity among LTER sites”, Working Group Leader                                  |
| Sept 2006            | NSF LTER Network All Scientists Meeting, Estes Park, CO – “Biogeochemical Complexity among LTER sites – the what, where and how”, Working Group Leader        |

Nov 2005	NSF LTER Group of 100 Planning Meeting, Cape Canaveral, FL
Apr 2005	NSF LTER Graduate Student Collaborative Research Symposium, Co-Chair
2005 – present	Referee for the following funding programs: NSF (DEB), NICCR, Georgia Sea Grant, Rhode Island Agricultural Experiment Station
2004 – present	Referee for the following journals: <i>Wetlands, Hydrobiologia, Wetland Ecology and Management, Ecohydrology, Aquatic Botany, Bioscience, Plant Ecology, Biotropica, Journal of Ecology, Geoderma, Botanica Marina, Biogeochemistry, JGR-Biogeosciences</i>

Professional Organizations with primary service role

Sept 2010 - present	US LTER Network International Committee, NSF collaborative proposal sub-committee
Sept 2010 - present	US LTER Network International Committee
Jul 2005 – Sep 2006	NSF LTER Network All Scientist’s Meeting, Program Committee, poster committee chair
Jun 2002 – Sep 2005	NSF LTER Network Graduate Student Committee, Co-Chair
Aug 2002 – Dec 2003	Biology Graduate Student Association, Vice President
Feb 2001 – Mar 2004	Society for Ecological Restoration (SER) Coastal Plain Chapter, Board Member
Feb 2001 – Mar 2004	SER Coastal Plain Chapter, At-Large Representative
Feb 2001- Feb 2003	SER Coastal Plain Chapter, Membership Committee Chair
Aug 2001 – Feb 2002	SER Coastal Plain Chapter Conference Committee
Apr 2001 – Dec 2003	FCE LTER Graduate Student Organization, President
Nov 1999 – May 2000	Florida Native Plant Society State Conference Committee

Other Professional Organizations

September 2010 – present	Ecological Society of America
January 2010 - present	Limnology and Oceanography
January 2010 - present	American Geophysical Union
Jan 1999 - 2004	Society of Wetland Scientists
Jan 1999 - 2004	Estuarine Research Federation
Oct 1996 – 2004	Florida Native Plant Society (FNPS)
Dec 1997 – Jan 1999	Natural Areas Association
Jul 1997 – Jan 1999	Cape Florida Restoration Project, volunteer

**PRESENTATIONS**

Invited Seminars and Symposia Presentations

June 2012	International Congress for Ecology (INTECOL), Orlando, FL – “Soil, water and course woody debris CO <sub>2</sub> fluxes and aqueous CO <sub>2</sub> in a tidal mangrove forest in the Florida Everglades”
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- Mar 2010 Gumbo Limbo Nature Center, Ecowatch Science Seminar Series, Ft. Lauderdale, FL – “Human alterations in wetland ecosystems: the impacts of water management and climate change”
- Dec 2009 Florida International University, Southeast Environmental Research Center, Departmental Seminar, Miami, FL – “Interactions of biological and hydrogeochemical processes facilitate phosphorus transport, availability and accumulation in an Everglades tree island”
- Dec 2008 Florida International University, Department of Biological Sciences, Departmental Seminar, Miami, FL – “Study of arctic ecosystem changes in the IPY (International Polar Year) using the International Tundra Experiment (ITEX)”
- May 2008 Smithsonian Tropical Research Institute, Bocas del Toro, Panama – “Wetland ecosystem studies in the San San Pond Sak wetland, Panama”
- Oct 2007 Florida International University, Southeast Environmental Research Center, Departmental Seminar, Miami, FL – “Ecosystem research in subtropical and tropical wetlands”
- Apr 2007 10th International Symposium on Wetland Biogeochemistry, Annapolis, MD – “Biogeochemical contributions of tree islands to Everglades wetland landscape nitrogen cycling during seasonal inundation”
- Oct 2006 University of Florida, Tropical Research and Education Center, Homestead, FL – “Everglades Tree Islands – model ecosystems for landscape-scale research”
- Apr 2006 University of Miami Biology Departmental Seminar, Miami, FL – “Ecosystem responses to hydrologic change and mechanisms of nitrogen retention in Everglades tree islands”
- Mar 2006 LTER mini-symposium, National Science Foundation, Washington, D.C. – “Ecosystem responses to hydrologic change in Everglades tree islands: Findings and future directions”
- Sep 2005 South Florida Water Management District – “Investigating ecosystem responses to hydrologic change and mechanisms for nitrogen sequestration in seasonally flooded tree islands of the southern Everglades”
- Jan 2004 Smithsonian Tropical Research Institute, Bocas del Toro, Panama - “Ecosystem characterization and hydrologic dynamics of seasonally flooded tree islands in the southern Everglades”
- Jul 2003 Florida Native Plant Society, Miami, FL – “Ecology and flora of Everglades tree islands”
- Jun 2003 Comprehensive Everglades Restoration Program Sub-Group Meeting, Everglades National Park Krome Center, Homestead, FL – “Ecosystem characterization and hydrologic dynamics of seasonally flooded tree islands in the southern Everglades”

Contributed papers including awards (with titles from last 10 years)

- Feb 2011 North American Carbon Program, New Orleans, LA – poster – “Soil respiration processes in riverine mangroves”
- Aug 2010 Meeting of the Americas, American Geophysical Union, Iguassu Falls, Brazil – poster - “Interactions of biological and hydrogeochemical processes facilitate phosphorus dynamics in an Everglades tree island”

- Aug 2010 Ecological Society of America, Pittsburgh, PA – oral – “Long-term phenological changes in tundra plants in response to experimental warming using the International Tundra Experiment (ITEX) Network”
- July 2010 Greater Everglades Ecosystem Restoration Conference, Naples, FL – oral – “Interactions of biological and hydrogeochemical processes facilitate phosphorus dynamics in an Everglades tree island”
- June 2010 International Polar Year Oslo Science Conference, Oslo, Norway – oral – “Long-term phenological changes in tundra plants in response to experimental warming using the International Tundra Experiment (ITEX) Network”
- Mar 2010 State of the Arctic, Miami, FL – poster – “Study of arctic ecosystem changes in the IPY using the International Tundra Experiment (ITEX)”
- Nov 2007 Estuarine Research Federation, Providence, RI – oral – “Bacterial diversity, enzyme activities, and soil CO<sub>2</sub> flux along a soil P gradient in a coastal peatland, Panama”
- Mar 2007 FCE LTER Network All Scientists Meeting, Miami, FL – poster – “Bacterial diversity, enzyme activities, and soil CO<sub>2</sub> flux along a soil P gradient in a coastal peatland, Panama”
- Mar 2007 FCE LTER Network All Scientists Meeting, Miami, FL – poster – “Nutrient patterns of dwarf *Rhizophora mangle* and *C. jamaicense* along the southeastern Everglades ecotone”
- Sept 2006 LTER Network All Scientists Meeting, Estes Park, CO – poster – “Biogeochemical connectivity in a complex wetland landscape: nitrogen sequestration by an Everglades tree Island”
- June 2006 Greater Everglades Ecosystem Restoration Conference, Orlando, FL – oral – “Ecosystem responses to hydrologic change in Everglades tree islands”
- June 2006 Greater Everglades Ecosystem Restoration Conference, Orlando, FL – poster – “Biogeochemical connectivity in a complex wetland landscape: nitrogen sequestration by an Everglades tree Island”
- Mar 2006 Florida Coastal Everglades LTER All Scientists Meeting, Miami, FL – poster – “Biogeochemical connectivity in a complex wetland landscape: nitrogen sequestration by an Everglades tree Island”
- Nov 2005 Estuarine Research Federation, Norfolk, VA – oral – “Coupling oligotrophy and peat development in a coastal freshwater swamp of Panama”
- Aug 2005 Ecological Society of America, Montreal, Canada – poster – “Investigating groundwater flow in an Everglades tree island”
- Mar 2005 Florida Coastal Everglades LTER Meeting – poster – “Investigating groundwater flow in an Everglades tree island”
- Mar 2005 International Wetland Biogeochemistry Symposium, Baton, Rouge, LA – oral – “Coupling oligotrophy and peat development in a coastal freshwater swamp of Panama”
- Jul 2004 Association of Tropical Biology and Conservation, Miami, FL – oral – “Coupling oligotrophy and peat development in a coastal freshwater swamp of Panama”
- Jul 2004 The 7<sup>th</sup> INTECOL International Wetlands Conference, Utrecht, Netherlands – oral – “Nutrient mineralization and accumulation during litter decomposition in seasonally flooded tree islands of the southern Everglades”

- Mar 2004 Florida Coastal Everglades LTER Meeting – poster – “Nutrient cycling, litter accumulation, and decomposition in seasonally flooded tree islands of the southern Everglades”  
*\*Best Poster Presentation Award*
- Sep 2003 Estuarine Research Federation, Seattle, WA – interactive poster – “Estimating annual carbon exports from seasonally flooded tree islands in the southern Everglades”
- Sep 2003 LTER All Scientists Meeting, Seattle, WA – poster – “Estimating annual carbon exports from seasonally flooded tree islands in the southern Everglades”
- Aug 2003 Society for Wetland Scientists, New Orleans, LA – poster – “Nutrient cycling, litter accumulation, and decomposition in seasonally flooded tree islands of the southern Everglades”  
*\*Honorable Mention*
- Apr 2003 Greater Everglades Ecosystem Restoration Meeting, Naples, FL – oral – “Investigating the response of tree island function to increased water flow in a southern Everglades ecosystem”
- Jan 2003 FIU Biology Symposium, Miami, FL – oral – “Nutrient cycling, litter accumulation, and decomposition in seasonally flooded tree islands of the southern Everglades”  
*\*Best Oral Presentation Award - Ph.D. Category*
- Jan 2003 Florida Coastal Everglades LTER Meeting, Miami, FL – poster – “Nutrient cycling, litter accumulation, and decomposition in seasonally flooded tree Islands of the southern Everglades”
- Aug 2002 Ecological Society of America, Tucson, AZ – oral – “Ecosystem characterization and hydrologic dynamics of seasonally flooded tree islands in the southern Everglades”
- Feb 2002 FCE LTER All Scientists Meeting, Miami, FL – poster – “Ecosystem characterization and hydrologic dynamics of seasonally flooded tree islands in the southern Everglades”
- Jan 2002 FIU Biology Symposium, Miami, FL – oral – “Ecosystem characterization and hydrologic dynamics of seasonally flooded tree islands in the southern Everglades”
- Nov 2001 Estuarine Research Federation, St. Petersburg, FL – poster – “Investigating tree island community response to increased water flow in a southern Everglades ecosystem”
- Oct 2001 Society for Ecological Restoration, Niagara Falls, Ontario – oral – “Investigating tree island community response to increased water flow in a southern Everglades ecosystem”
- Aug 2001 Ecological Society of America, Madison, WI – oral – “Relationships between hydrology and soils describe vegetation patterns in seasonally flooded tree islands of the southern Everglades, Florida”
- Feb 2001 FIU Tropical Biology Symposium, Miami, FL – poster – “Investigating tree island response to increased water flow in a southeastern Everglades ecosystem”  
*\*Best Poster Presentation Award - M.S. Category*