

**PATRICK JOSEPH BOHLEN**  
**Curriculum Vitae**

February 14, 2024

**CONTACT INFORMATION**

University of Central Florida  
Department of Biology



**EDUCATION**

1989-1994	Ohio State University	Ph.D.	Entomology
1987-1989	Miami University	M.S.	Zoology
1983-1984	University of California, Berkeley	no degree	Entomology
1979-1983	University of Michigan	B.S.	Biology

**LEADERSHIP POSITIONS**

2010 – 2022	Director, Landscape and Natural Resources and Arboretum, University of Central Florida, Orlando, Florida
1998 – 2010	Director, Agro-ecology program at Buck Island Ranch, Archbold Biological Station, Lake Placid, Florida

**ACADEMIC APPOINTMENTS**

2010 – present	Professor, Dept. of Biology, University of Central Florida
2010 – 2010	Senior Research Biologist, Archbold Biological Station
2005 – 2010	Associate Research Biologist, Archbold Biological Station
1999 – 2010	Courtesy Professor, Soil and Water Science Dept., University of Florida
1998 – 2004	Assistant Research Biologist, Archbold Biological Station
1997 – 1999	Graduate Faculty, Bard College Grad. School of Environmental Studies
1994 – 1998	Postdoctoral Research Associate, Cary Institute of Ecosystem Studies

**RESEARCH INTERESTS AND BACKGROUND**

- Urban ecology and biodiversity.
- Assessing ecosystem services and biodiversity in human-dominated systems.
- Applying ecological knowledge to land management and conservation.
- Pollinator ecology and conservation.
- Wetland ecology and restoration.
- Agroecology and agricultural sustainability.
- Soil ecology and role of soil fauna in nutrient cycling.

## AWARDS AND HONORS

- 2022 Innovative Program Award, Association of Natural Resource Extension Professionals for the Sustainable Floridians Benchmarking and Monitoring Program. Team Members: Kipp, M. J., B. V. Iannone III, P. Jones, N. W. Taylor, A. J. Reisinger, E. Z. Bean, M. Hostetler, M. Clark, B. L. Moffis, and P. J. Bohlen.
- 2007 Commissioner's Agricultural-Environmental Leadership Award, Florida Dept. of Agriculture and Consumer Services (co-recipient with H. Swain and G. Lollis).
- 2006 Florida Cattlemen's Association Environmental Stewardship Award (co-recipient with H. Swain and G. Lollis).
- 2004 Gamma Sigma Delta, Honor Society of Agriculture.
- 1993 Presidential Fellowship, Ohio State University (1 year).
- 1989 Director's Fellowship, Ohio Agricultural Research and Development Center (4 years).
- 1989 Outstanding Master's Student in Zoology, Miami University.
- 1988 Sigma Xi Research Award.
- 1983 James B. Angell Scholar, Honor's Program, University of Michigan.

## ADMINISTRATIVE EXPERIENCE

### *Director of UCF Arboretum (2010-2022)*

- Directed an academic administrative unit within the College of Sciences focused on providing student leadership training and volunteer opportunities for a diverse undergraduate student body in areas related to ecology, natural resources, and sustainability.
- Promoted a sense of community and human well-being through an inclusive program that welcomed student's unique capabilities, backgrounds, and interests.
- Developed and tracked research and educational use of the UCF campus as an outdoor living laboratory and oversaw annual assessment of Arboretum programs.
- Provided horticultural and landscape design recommendations for sustainable landscaping practices at UCF.
- Established and collaborated on a philanthropic fundraising program for Arboretum programs.
- Improved facilities and developed a master plan for core Arboretum program areas.

### *Arboretum Accomplishments*

- Created new vision and mission for LNR and the Arboretum programs.  
(<https://arboretum.ucf.edu/about/>)
- Introduced and implemented the Learning by Leading™ (LxL) program, a student leadership development program developed by the University of California, Davis, Arboretum. Oversaw creation of eight different student-led teams in main Arboretum program areas. Increased undergraduate student participation from 6 interns to over 45 interns per semester, plus 15 paid part-time student co-coordinators.
- Increased student credit hours (SCH) offered through the Arboretum by 5-fold.
- Oversaw planning and construction of a 1,000 ft<sup>2</sup> state-of-the-art multi-use greenhouse to support the Arboretum and the Dept. of Biology.
- More than doubled volunteer participation in Arboretum programs to include over 9,000 hours of volunteering and over 1,200 volunteers per year.

- Drove the development of media and marketing efforts that increased social media followers from 1,000 to over 7,000.
- Initiated an effort with the UCF Foundation to establish a tradition of philanthropic giving to the Arboretum program.
- Collaborated with digital media faculty member Maria Harrington, to create a “Virtual UCF Arboretum,” an educational website and cutting-edge virtual reality environment simulating a Florida pine flatwoods ecosystems (<https://arboretum.ucf.edu/virtual/>).
- Developed and began implementing a master plan for the Arboretum in 2019.

### ***Director of UCF Landscape and Natural Resources (LNR) Department (2010-2022)***

- Directed landscape and grounds, natural areas, and green infrastructure for the entire 1,400-acre main campus, comprising around 850 acres of built environment and manicured landscapes, and 830 acres of natural land, including 327 acres of wetland conservation easement, and four satellite campuses.
- Oversaw 60+ employees and combined annual operating budget of \$4.4 million.
- Oversaw campus landscape planning, design, and construction for the UCF main and satellite campuses.
- Implemented university sustainability practices and goals into campus landscape operations.
- Oversaw development of standards and specifications for campus landscape design and construction practices, and standard operating procedures for campus landscape maintenance.
- Oversaw the selection and oversight of landscape architectural professional service firms.
- Administered the university’s National Pollution Discharge and Elimination System stormwater permit.

### ***LNR Accomplishments***

- Developed a university landscape design team and hired the campus’s first landscape architect.
- Developed a campus natural resource and urban forestry team to oversee management of campus natural lands and tree canopy. This team was recognized as the 2017 Outstanding Urban Forestry Program in Florida by the Florida Urban Forestry Council—the only university forestry program in Florida to ever be so recognized.
- Became the second university in Florida to be designated as a Tree Campus Higher Education site through the Arbor Foundation.
- Expanded a pioneering campus prescribed fire program recognized statewide for its success in enhancing biodiversity and restoring native habitats at the wildland-urban interface.
- Oversaw creation of a marked trail network of over 13 miles of nature trails on campus.
- Represented UCF on landscape design, development, and construction committees for 17 major UCF campus construction projects, including academic, housing and athletic facilities. These included \$500-700K landscape projects annually, working with some of the leading landscape architecture firms in central Florida.
- Led development of UCF’s first Campus Landscape Master Plan, completed in 2016 in conjunction with Bellomo-Herbert, Landscape Architects, and Carol R. Johnson Associates.
- Served on the UCF Public Art Master Plan Oversight Committee from 2015-2016 and provided input to master plan development.

- Led the effort for UCF to become the first university in Florida to be designated in as a Bee Campus USA through the Xerces Society, which commits the university to pollinator conservation, education, and service learning.
- Improved campus water sustainability by increasing the amount of campus landscape irrigated with reclaimed water from 60% to 100%.

***Archbold Biological Station Agro-ecology Program Director (1998-2010).***

- Directed a nationally recognized research program in agroecology, conservation, and restoration, based on multi-institutional and multi-disciplinary collaborations and diverse funding sources at Buck Island Ranch, now part of the USDA's Long-term Agricultural Research Network (LTAR) (<https://www.archbold-station.org/programs/agroecology/>).
- Developed and supported research programs focused on ecology and conservation on Florida cattle ranches; wetland ecology; plant and animal ecology; non-point source nutrient runoff from pastureland; controls on nutrient cycling in wetland and upland ecosystems; and assessing ecosystem services in agricultural lands.
- Managed several large-scale multi-disciplinary research projects addressing ecological and economic sustainability of subtropical cattle ranches.
- Helped develop the Florida Ranchlands and Environmental Services Project (FRESP), a multidisciplinary collaborative project that grew into the Northern Everglades Payment for Environmental Services program. This program is funded through the South Florida Water Management District and it pays private landowners for providing water storage, water quality and habitat improvements in the Northern Everglades region.
- Fostered and sustained formal institutional collaborations with multiple state and federal agencies (Florida Dept. of Agriculture and Consumer Services, South Florida Water Management District, Florida Dept. of Environmental Protection, USDA-ARS, USDA-NRCS), universities (Univ. of Florida, Univ. of Central Florida, Florida International Univ.), environmental NGOs (World Wildlife Fund, The Nature Conservancy, Audubon Society) and agricultural producers (Florida Cattlemen's Association and individual ranchers).
- Administered field research infrastructure, including field labs and instrumentation, meteorological stations, environmental sensor networks, and data management systems at the 10,000-acre working ranch and biological field station.
- Hired and trained over 20 research staff and mentored 24 post-baccalaureate research trainees on independent research projects.
- Oversaw annual budgets that included approximately \$190,000 base funding and \$250,000-\$400,000 in external funding.
- Developed and participated in education and outreach programs related to the ecology, environmental impact, and sustainability of Florida ranches and ranchlands.

**PUBLICATIONS**

***Total publications, all categories: 119***

***Peer-reviewed journal articles (77)***

1. Guo, Y., E. H. Boughton, S. Bohlman, C. Bernacchi, P. J. Bohlen, R. Boughton, E. DeLucia, J. Fauth, N. Gomez-Casanovas, D. G. Jenkins, G. Lollis, R. S. Miller, P. F. Quintana-Ascencio, G. Sonnier, J. Sparks, H. Swain, and J. Qui. 2023. Grassland intensification

- effects cascade to alter multifunctionality of wetlands within metaecosystems. *Nature Communications* 14 Article number: 8267. <https://doi.org/10.1038/s41467-023-44104-2>.
2. Skovira, L. and P. J. Bohlen. 2023. Nutrient status and management intensity of stormwater ponds in different urban land-uses. *Urban Ecosystems* 26: 867-879. <https://doi.org/10.1007/s11252-023-01335-x>.
  3. Lomeu, A., A. Shukla, S. Shukla, G. Kiker, C.-L. Wu, G. S. Hendricks, E. H. Boughton, R. Sishodia, A. C. Guzha, H. M. Swain, P. J. Bohlen, D. G. Jenkins and J. E. Fauth. 2022. Using biodiversity response for prioritizing participants and service provisions in a payment-for-water-storage program in the Everglades basin. *Journal of Hydrology* 609: 127618 (15 pp.). <https://doi.org/10.1016/j.jhydrol.2022.127618>.
  4. Huber, A. and P. J. Bohlen. 2021. Hydro-ecological controls on soil carbon storage in subtropical freshwater depressional wetlands. *Wetlands* 41:66. <https://doi.org/10.1007/s13157-021-01453-2>.
  5. Fahey, T., P. Bohlen, T. R. Feldpausch, M. Fisk, M. Goebel, P. M. Groffman, J. Maerz and J. Yavitt. 2021. Tracing carbon flow through a sugar maple forest and its soil components: role of invasive earthworms. *Plant and Soil* 464: 517-537. <https://doi.org/10.1007/s11104-021-04971-4>.
  6. Boughton, E. H., P. F. Quintana-Ascencio and P. J. Bohlen. 2020. Grazing and microhabitat interact to affect plant-plant interactions in subtropical seasonal wetlands. *Journal of Vegetation Science* 202;00: 1-11. <https://doi.org/10.1111/jvs.12962>.
  7. Sonnier, G., P. F. Quintana-Ascencio, P. J. Bohlen, J. E. Fauth, D. G. Jenkins and E. H. Boughton. 2020. Pasture management, grazing, and fire interact to determine wetland provisioning services in a subtropical agroecosystem. *Ecosphere* 11(8):e03209.10.1002/ecs2.3209. <https://doi.org/10.1002/ecs2.3209>.
  8. Komatsu, K. J., M. L. Avolio, N. P. Lemoine, F. Isbell, E. Grman, G. R. Houseman, S. E. Koerner, D. S. Johnson, K. R. Wilcox, J. M. Alatalo, J. P. Anderson, R. Aerts, S. G. Baer, A. H. Baldwin, J. Bates, C. Beierkuhnlein, R. T. Belote, J. M. Blair, J. M. G. Bloor, P. J. Bohlen, E. W. Bork, E. H. Boughton, W. D. Bowman, A. J. Britton, J. F. Cahill Jr., E. Chaneton, N. R. Chiariello, J. Cheng, S. L. Collins, J. H. C. Cornelissen, A. Eskelinen, J. L. Firn, B. L., L. Gough, K. L. Gross, L. M. Hallett, X. Han, H. Harmens, M. J. Hovenden, A. Jagerbrand, A. Jentsch, C. Kern, K. Klanderud, A. K. Knapp, J. Kreyling, W. Li, Y. Luo, R. L. McCulley, J. R. McLaren, J. P. Megonigal, J. W. Morgan, V. G. Onipchenko, S. C. Pennings, J. S. Prevéy, J. Price, P. B. Reich, C. H. Robinson, F. L. Russell, O. E. Sala, E. W. Seabloom, M. D. Smith, N. A. Soudzilovskaia, K. N. Suding, K. B. Suttle, T. Svejcar, D. Tilman, P. Tognetti, R. Turkington, S. M. White, Z. Xu, L. Yahdjian, Q. Yu, P. Zhang, Y. Zhang. 2019. Global change effects on plant communities are magnified by time and the number of global change factors imposed. *Proceedings of the National Academy of Sciences*, August 19, 2019. <https://doi.org/10.1073/pnas.1819027116>.
  9. Boughton, E. H., P. F. Quintana-Ascencio, D. G. Jenkins, P. J. Bohlen, J. E. Fauth, A. Engel, S. Shukla, G. Kiker, G. Hendricks and H. M. Swain. 2019. Tradeoffs and synergies in a payment-for-ecosystem services program on ranchlands in the Everglades headwaters. *Ecosphere* 10(5): e02728. <https://doi.org/10.1002/ecs2.2728>.
  10. Souto, L., C. M. Listopad and P. J. Bohlen. 2019. Forging links between social drivers and ecological processes in the residential landscape. *Landscape and Urban Planning* 185: 96-106. <https://doi.org/10.1016/j.landurbplan.2019.01.002>.

11. Koerner, S.E., M.D. Smith, D.E. Burkepile, N. Hanan, M.L. Avolio, S.L. Collings, A.K. Knapp, N.P. Lemoine, E.J. Forrestel, S. Eby, Dave I. Thompson, G. Aguado-Santacruz, J.P. Anderson, M. Anderson, A. Angassa, S. Bagchi, E.S. Bakker, G. Bastin, L.E. Baur, K.H. Beard, E.A. Beever, P.J. Bohlen, E.H. Boughton, D. Canestro, A. Cesa, E. Chaneton, J. Cheng, C.M. D'Antonio, C. Deleglise, F. Dembélé, J. Dorrough, D. Eldridge, B. Fernandez-Going, S. Fernández-Lugo, L.H. Fraser, B. Freedman, G. Garcia-Salgado, J.R. Goheen, L. Guo, S. Husheer, M. Karembé, J.M.H. Knops, T. Kraaij, A. Kulmatiski, M. Kytöviita, F. Lezama, G. Loucougaray, A. Loydi, D.G. Milchunas, S. Milton, J.W. Morgan, C. Moxham, K.C. Nehring, H.Olff, T. M. Palmer, S. Rebollo, C. Riginos, A.C. Risch, M. Rueda, M. Sankaran, T. Sasaki, K. Schoenecker, N.L. Schultz, M. Schütz, A. Schwabe, F. Siebert, C. Smit, K.A. Stahlheber, C. Storm, D.J. Strong, J. Su, Y.V. Tiruvaimozhi, C. Tyler, J. Val, M.L. Vandegehuchte, K.E. Veblen, L.T. Vermeire, D. Ward, J. Wu, T.P. Young, Q. Yu, T.J. Zelikova. 2018. Resolving variation in herbivore effects on plant biodiversity: change in dominance as a global mechanism. *Nature Ecology and Evolution* 2: 1925-1932, October 29, 2018. <https://doi.org/10.1038/s41559-018-0696-y>.
12. Sonnier, G., P. J. Bohlen, H. M. Swain, S. L. Orzell, E. L. Bridges and E. H. Boughton. 2018. Assessing the success of hydrological restoration in two conservation easements within Central Florida ranchland. *PLOS ONE*, 13(7): e0199333. <https://doi.org/10.1371/journal.pone.0199333>.
13. Boughton, E. H., J. H. Maki and P. J. Bohlen. 2018. Effects of experimental season of prescribed fire and nutrient addition on structure and function of previously grazed grassland. *Journal of Plant Ecology* 11:576-584. <https://doi.org/10.1093/jpe/rtx022>.
14. Ho, J., E. H. Boughton, D. G. Jenkins, G. Sonnier, P. J. Bohlen and L. G. Chambers. 2017. Ranching practices interactively affect soil nutrients in subtropical wetlands. *Agriculture, Ecosystems & Environment* 254: 130-137. <https://doi.org/10.1016/j.agee.2017.11.031>.
15. Boughton, E. H., P. F. Quintana-Ascencio, P. J. Bohlen, J. E. Fauth and D. G. Jenkins. 2016. Interactive effects of pasture-management intensity, release from grazing, and prescribed fire on forty subtropical wetland plant assemblages. *Journal of Applied Ecology* 53: 159-170. <https://doi.org/10.1111/1365-2664.12536>.
16. Medley, K. A., E. H. Boughton, D. G. Jenkins, J. E. Fauth, P. J. Bohlen and P. F. Quintana-Ascencio. 2015. Intense ranchland management tips the balance of regional and local factors affecting wetland community structure. *Agriculture, Ecosystems & Environment* 212: 207-244. <https://doi.org/10.1016/j.agee.2015.06.024>.
17. Moore, J., R. Ouimet et P. Bohlen. 2015. Effect du chaulage sure la survie et de reproduction de 3 espèces de vers de terre exotiques potentiellement envahissantes dans les érablières du Québec. *Le Naturaliste Canadien* 139: 14-19. <https://doi.org/10.7202/1030817ar>.
18. Groffman, P. M., T. J. Fahey, M. C. Fisk, J. B. Yavitt, R. E. Sherman, P. J. Bohlen and J. C. Maerz. 2015. Earthworms increase microbial biomass carrying capacity and nitrogen retention in northern hardwood forest soils. *Soil Biology & Biochemistry*: 87: 51-58. <https://doi.org/10.1016/j.soilbio.2015.03.025>.
19. Ewing, H. A, A. R. Tuininga, P. M. Groffman, K. C. Weathers, T. J. Fahey, M. C. Fisk, P. J. Bohlen and E. Suarez. 2014. Earthworms reduce biotic 15-nitrogen retention in northern hardwood forests. *Ecosystems*. <https://doi.org/10.1007/s10021-014-9831-z>.
20. Gilbert, K. J., T. J. Fahey, J. C. Maerz, R. E. Sherman, P. Bohlen, J. J. Dombroskie, P. M. Groffman and J. B. Yavitt. 2014. Exploring carbon flow through the root channel in a

- temperate forest soil food web. *Soil Biology and Biochemistry* 76: 45-52.  
<https://doi.org/10.1016/j.soilbio.2014.05.005>.
21. Swain, H. M., E. H. Boughton, P. J. Bohlen and L. O. Lollis. 2013. Trade-offs among ecosystem services and disservices on a Florida ranch. *Rangelands* 35: 75-87.  
<https://doi.org/10.2111/rangelands-d-13-00053.1>.
  22. Moore, J., R. Ouimet and P. J. Bohlen. 2013. Effects of liming on survival and reproduction of two potentially invasive earthworm species in a northern forest Podzol. *Soil Biology and Biochemistry* 64: 174-180. <https://doi.org/10.1016/j.soilbio.2013.04.013>.
  23. Fahey, T. F., J. B. Yavitt, R. E. Sherman, J. C. Maerz, P. M. Groffman, M. C. Fisk and P. J. Bohlen. 2013. Earthworm effects on the incorporation of litter C and N into soil organic matter in a sugar maple forest. *Ecological Applications* 23: 1185-1201.  
<https://doi.org/10.1890/12-1760.1>.
  24. Boughton, E., P. J. Bohlen and C. Steele. 2013. Season of fire and nutrient addition differentially affect functional group richness and species cover in subtropical grassland. *Biological Conservation* 158: 239-247. <https://doi.org/10.1016/j.biocon.2012.09.023>.
  25. Fahey, T. J., J. B. Yavitt, R. E. Sherman, J. C. Maerz, P. M. Groffman, M. C. Fisk and P. J. Bohlen. 2013. Earthworms, litter and soil carbon in a northern hardwood forest. *Biogeochemistry* 114: 269-280. <https://doi.org/10.1007/s10533-012-9808-y>.
  26. Bohlen, P. J. and R. Villapando. 2011. Differential effects of water retention on nutrient runoff from subtropical pastures. *Journal of Environmental Quality* 40: 989-998.  
<https://doi.org/10.2134/jeq2010.0127>.
  27. Boughton, E. H., P. F. Quintana-Ascencio, P. J. Bohlen. 2011. Differential facilitative and competitive effects of a dominant macrophyte in grazed subtropical wetlands. *Journal of Ecology* 99: 1263-1271. <https://doi.org/10.1111/j.1365-2745.2011.01850.x>.
  28. Boughton, E. H., P. F. Quintana-Ascencio, P. J. Bohlen. 2011. Refuge effects of *Juncus effusus* in grazed, subtropical wetland plant communities. *Plant Ecology* 212: 451-460.  
<https://doi.org/10.1007/s11258-010-9836-4>.
  29. Boughton, E., P. Quintana-Ascencio, D. Nickerson, P. J. Bohlen. 2011. Management intensity affects the relationship between non-native and native species in subtropical wetlands. *Applied Vegetation Science* 14: 210-220. <https://doi.org/10.1111/j.1654-109X.2010.01116.x>.
  30. Huang, C., P. F. Hendrix, T. J. Fahey, P. J. Bohlen and P. M. Groffman. 2010. A simulation model to predict and evaluate the impacts of invasive earthworms on soil carbon cycling. *Ecological Modelling* 221: 2447-2457. <https://doi.org/10.1016/j.ecolmodel.2010.06.023>.
  31. Morrison, W. R. and P. J. Bohlen. 2010. Influence of vegetation on invertebrate communities in grazed freshwater wetlands. *Southeastern Naturalist* 9: 453-464.
  32. Boughton, E. H., P. F. Quintana-Ascencio, P. J. Bohlen, D. G. Jenkins and R. Pickert. 2009. Pasture intensification and wetland isolation influences wetland vegetation composition and structure in subtropical pastures. *Ecography* 33: 461-470. <https://doi.org/10.1111/j.1600-0587.2009.06010.x>.
  33. Bohlen, P. J., S. Lynch, L. Shabman, M. Clark, S. Shukla and H. Swain. 2009. Paying for ecosystem services on agricultural lands: an example from the Northern Everglades. *Frontiers in Ecology and the Environment* 7: 46-55. <https://doi.org/10.1890/080107>.
  34. Tweel, A. W. and P. J. Bohlen. 2008. Influence of soft rush (*Juncus effusus*) on phosphorus flux in grazed seasonal wetlands. *Ecological Engineering* 33: 242-251.  
<https://doi.org/10.1016/j.ecoleng.2008.05.003>.

35. Wall, D. H., M. A. Bradford, M. G. St. John, J. A. Trofymow, V. Behan-Pelletier, D. E. Bignell, J. M. Dangerfield, W. J. Parton, J. Rusek, W. Voigt, V. Wolters, H. Zadeh Gardel, F. O. Ayuke, R. Bashford, O. I. Beljakova, P. J. Bohlen, A. Brauman, S. Flemming, J. R. Henschel, D. L. Johnson, T. Hefin Jones, M. A. Kovarova, J. Marty Kranabetter, L. Kutny, K.-Chuan LIN, M. Maryati, D. Masse, A. Pokarzhevskii, H. Rahman, M. G. SabarÁ, J.-A. Salamon, M. J. Swift, A. Varela, H. L. Vasconcelos, D. White and X. Zou. 2008. Global decomposition experiment shows soil animal impacts on decomposition are climate dependent. *Global Change Biology* 14: 2661-2677. <https://doi.org/10.1111/j.1365-2486.2008.01672.x>.
36. Capece, J. C., K. L. Campbell, P. J. Bohlen, D. A. Graetz and K. M. Portier. 2007. Soil phosphorus, cattle stocking rates, and water quality in subtropical pastures in Florida. *Rangeland Ecology and Management* 60: 19-30. <https://doi.org/10.2111/05-072R1.1>.
37. Swain, H. M., P. J. Bohlen, K. L. Campbell, L. O. Lollis and A. D. Steinman. 2007. Integrated ecological and economic analysis of ranch management systems; an example from south central Florida. *Rangeland Ecology and Management* 60: 1-11. <https://doi.org/10.2111/05-071R1.1>.
38. Bohlen, P. J. and S. M. Gathumbi. 2007. Nitrogen cycling in seasonal wetlands in subtropical cattle pastures. *Soil Science Society of America Journal* 71: 1058-1065. <https://doi.org/10.2136/sssaj2005.00217>.
39. Frelich, L. E., C. M. Hale, S. Scheu, A. Holdsworth, L. Heneghan, P. J. Bohlen and P. B. Reich. 2006. Earthworm invasion into previously earthworm-free temperate and boreal forests. *Biological Invasions* 8: 1235-1245. <https://doi.org/10.1007/s10530-006-9019-3>.
40. Zielinski, R. A., W. R. Orem, K. P. Simmons and P. J. Bohlen. 2006. Fertilizer-derived uranium and sulfur in rangeland soil and runoff; a case study in central Florida. *Water, Air, & Soil Pollution* 176: 163-183. <https://doi.org/10.1007/s11270-006-9156-4>.
41. Wang, K-H, R. McSorley, P. Bohlen and S. M. Gathumbi. 2006. Cattle grazing increases microbial biomass and alters soil nematode communities in subtropical pastures. *Soil Biology & Biochemistry* 38: 1956-1965. <https://doi.org/10.1016/j.soilbio.2005.12.019>.
42. Suárez, E. R., T. J. Fahey, P. M. Groffman, J. B. Yavitt and P. J. Bohlen. 2006. Spatial and temporal dynamics of exotic earthworm communities along invasion fronts in a temperate hardwood forest in South-Central New York (USA). *Biological Invasions* 8(4): 553-564. <https://doi.org/10.1007/s10530-005-1196-y>.
43. Suárez, E. R., T. J. Fahey, J. B. Yavitt, P. M. Groffman and P. J. Bohlen. 2006. Patterns of litter disappearance in a northern hardwood forest invaded by exotic earthworms. *Ecological Applications* 16: 154-165. <https://doi.org/10.1890/04-0788>.
44. Bohlen, P. J. 2006. Biological invasions: linking the aboveground and belowground consequences. *Applied Soil Ecology* 32: 1-5. <https://doi.org/10.1016/j.apsoil.2005.10.001>.
45. Gathumbi, S. M, P. J. Bohlen and D. A. Graetz. 2005. Nutrient enrichment of wetland plants and sediments in subtropical pastures. *Soil Science Society of America Journal* 69: 539-548. <https://doi.org/10.2136/sssaj2005.0539>.
46. Bohlen, P. J., S. Scheu, C. M. Hale, M. A. McLean, S. Migge, P. M. Groffman and D. Parkinson. 2004. Non-native invasive earthworms as agents of change in north temperate forests. *Frontiers in Ecology and the Environment* 2: 427-435. [https://doi.org/10.1890/1540-9295\(2004\)002\[0427:NIEAAO\]2.0.CO;2](https://doi.org/10.1890/1540-9295(2004)002[0427:NIEAAO]2.0.CO;2).



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### **Book chapters and proceedings (16)**

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2. Bohlen, P. J. and H. M. Swain. 2009. Integrating ecological and economic sustainability in agroecosystems: an example from subtropical grazing lands. In *Sustainable agroecosystem management: integrating, ecology, economics and society*, P. J. Bohlen, G. J. House (eds.), p. 235-258. CRC Press, Taylor and Francis Group, Boca Raton, FL, 301 pp.
3. Bohlen, P. J. and G. J. House. 2009. Agroecosystem management for the 21st century: sustaining ecosystems, economies and communities in a time of global change. In *Sustainable agroecosystem management: integrating, ecology, economics and society*, P. J. Bohlen, G. J. House (eds.), p. 1-12. CRC Press, Taylor and Francis Group, Boca Raton, FL, 301 pp.
4. Bohlen, P. J. and H. M. Swain. 2007. Ranching for environmental services: public benefits from private lands. *Proceedings of the 3rd National Conference on Grazing Lands*, St. Louis, MO, p. 109-116. Grazing Lands Conservation Initiative, Society for Range Management, Denver, CO.
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6. Bohlen, P. J. 2006. Earthworms. In *Encyclopedia of soil science*, 2nd Edition, R. Lal (ed.), p. 497-501. Marcel Dekker, Inc., NY.
7. Bohlen, P. J., R. W. Parmelee and J. M. Blair. 2004. Integrating the effects of earthworms on nutrient cycling across spatial and temporal scales. In *Earthworm ecology*, 2nd edition, C. A. Edwards (ed.), p. 161-180. CRC Press, Boca Raton, FL.
8. Parmelee, R. W., P. J. Bohlen and J. M. Blair. 1998. Earthworms and nutrient cycling processes: integrating across the ecological hierarchy. In *Earthworm ecology*, C. A. Edwards (ed.), p. 123-143. St. Lucie Press, Delray Beach, FL.
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12. Edwards, C. A., P. J. Bohlen, D. R. Linden and S. Subler. 1995. Earthworms in agroecosystems. In *Earthworm ecology and biogeography in North America*, P. F. Hendrix (ed.), p. 185-214. Lewis Publisher, Chelsea, MI.
13. Parmelee, R. W., P. J. Bohlen and C. A. Edwards. 1995. Analysis of nematode trophic structure in agroecosystems: Functional groups versus high-resolution taxonomy. In *The significance and regulation of soil biodiversity*, H. P. Collins G. P. Robertson and M. J. Klug (eds.), p. 203-208. Kluwer Academic Press, The Netherlands.
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15. Barrett, G. W. and P. J. Bohlen. 1991. Landscape ecology. In *Landscape linkages and biodiversity*, W. E. Hudson (ed.), p. 149-161. Island Press, Covelo, CA.
16. Barrett, G. W., N. Rodenhouse and P. J. Bohlen. 1990. Role of sustainable agriculture in rural landscapes. In *Sustainable agricultural systems*, C. A. Edwards, R. Lal, P. Madden, R. H. Miller and G. House (eds.), p. 624-636. Soil and Water Conservation Society, Ankeny, IA.

***Other publications, including technical reports, commentaries, essays, book reviews, and extension documents (24)***

1. Bohlen, P. J. 2023. COP27 and the sustainable city: global climate solution or mirage? *The Cairo Review of Global Affairs*, Spring 2023.  
<https://www.thecairoreview.com/essays/cop27-and-the-sustainable-city-global-climate-solution-or-mirage/>
2. Listopad, C., L. Souto and P. Bohlen. 2014. Tampa Bay residential stormwater evaluation final project report. Tampa Bay Estuary Program, Tampa, FL. 105 pp.
3. Boughton, B. and P. Bohlen. 2009. Wetland plant communities in improved and native pastures at Buck Island Ranch. *The Florida Cattleman and Livestock Journal* 74: 77-83.
4. Bohlen, P. J. 2009. Pasture water management for reduced phosphorus loading in the Lake Okeechobee watershed. Final report for Contract No. RS040348. South Florida Water Management District Contract, West Palm Beach, FL. 57 pp.
5. Bohlen, P. and S. Lynch. 2009. Florida ranchlands environmental services field day a success. *The Florida Cattleman and Livestock Journal* 73: 46-49.
6. Bohlen, P. J. 2008. Can agriculture fuel the world? *CSA News* 53(6): 15.
7. Campbell, K. L., G. A. Kiker, C. J. Martinez, P. J. Bohlen and J. Capece. 2007. Pasture water management for reduced phosphorus loading in the Lake Okeechobee watershed. Final report submitted to the Florida Dept. of Agriculture and Consumer Services. Contact No. 10808.
8. Clark, M. P. Bohlen, L. Shabman, S. Shukla, S. Hollingsed and S. Lynch. 2007. A Multi-service environmental documentation approach to measure the provision of water

- management services on Florida ranchlands. Report of the documentation team of the Florida Ranchlands Environmental Services Project.
9. Swain, H. and P. Bohlen. 2005. Incentives for encouraging innovation in generating environmental services on cattle ranches: the ecologist's perspective. In *Building a Scientific Basis for Green Payments*, S. Lynch and S.S. Batie (eds.), p. 15-17. A report on a workshop sponsored by the USDA-CSREES, WWF, and Elton Smith Endowment at Michigan State Univ., April 14-15, Washington, D.C.
  10. Lynch, S., L. Asmussen, J. McGrann, L. Shabman, P. Bohlen, H. Swain, M. Adams, J. Alderman, G. Lollis, P. Pfeil and W. Williamson. 2005. Assessing on-ranch provision of water management environmental services. Final Report submitted to the South Florida Water Management District and Florida Dept. of Agriculture and Consumer Services. 16 pp.
  11. Bohlen, P. J. and J. Kokemor. 2005. How do cattle concentration areas affect soil phosphorus? *The Florida Cattleman and Livestock Journal* 69:56-59.
  12. Main, M., M. E. Swisher, J. Mullahey, W. DeBusk, A. J. Shriar, G. W. Tanner, J. Selph, P. Hogue, P. Bohlen, and G. M. Allen. 2004. The ecology and economics of Florida's ranches. Florida Cooperative Extension Service Publication WEC 187. University of Florida, Gainesville.
  13. Bohlen, P. J. 2004. Optimization of water quality best management practices (BMPs) for beef cattle ranching in the Lake Okeechobee Basin. Final Report for Contract C-13414, South Florida Water Management District, West Palm Beach, FL. 35 pp.
  14. Capece, J. C., K. L. Campbell, D. A. Graetz, K. M. Portier, P. J. Bohlen, M. Siddo, M. Fidler and G. S. Hendricks. 2003. Optimization of best management practices for beef cattle ranching in the Lake Okeechobee Basin—Part 2. Final Report to the Florida Department of Environmental Protection for a Section 319 Nonpoint Source Management Program Grant from the USEPA, Project WM796.
  15. Bohlen, P. J., M. Clark and M. Flinchum. 2003. Restoring wetlands on cattle ranches in South Florida. *The Florida Cattleman and Livestock Journal* 68(2): 19-23.
  16. Bohlen, P. J., H. Swain, K. L. Campbell, D. A. Graetz and J. C. Capece. 2003. Contributions of beef cattle ranches to surface water quality in the Lake Okeechobee Basin. Joint Conference on the Science and Restoration of the Greater Everglades and Florida Bay Ecosystem, GEER Program and Abstracts, p 30-31.
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22. Bohlen, P. J. 2000. A gap in tropical soil biology is filled. Earthworm management in tropical agroecosystems. P. Lavelle, L. Brussaard and P. Hendrix (eds.). 1999. CAB International, New York. xii + 300p. ISBN 0-85199-270-6. Soil Biology & Biochemistry 32: 1329-1330 (book review).
  23. Swisher, M. E., J. Mullahey, W. DeBusk, M. Main, A. J. Shriar, G. W. Tanner, J. Selph, P. Hogue and P. Bohlen. 2000. The ecology and economics of Florida's ranches. Florida Cooperative Extension Service, IFAS, University of Florida, Document # SS-SA-8.
  24. Bohlen, P. J. 1994. Proceedings of the international workshop on methods of research on soil structure/soil biota interrelationships. L. Brussaard and M. J. Kooistra (eds.). 1993. Elsevier Science, Amsterdam, 829 pp. Applied Soil Ecology 1: 83-84 (book review).

## GRANT AND CONTRACTS

### ***Total grants, contracts and projects as PI, Project Director, or co-PI: \$7,192,601 (P. Bohlen share of \$14,795,264 total project funds)***

1. Assessing native plant material for use in ecologically sound, resource efficient residential landscapes and developments. Sunbridge Stewardship District. 2022-2024. \$54,000.
2. REU site: conservation, restoration, and communication. L. Walters and K. Mansfield (PIs), P. Bohlen and 9 other faculty (Co-PIs). National Science Foundation. 2022-2025. \$22,060 (P. Bohlen share of \$441,194 award).
3. Increasing community engagement at the UCF Arboretum. P. Bohlen, K. Matta, M. Erichsen. TD Bank Charitable Foundation Vibrant Planet—Green Spaces program. Award to UCF Foundation. 2019-2020. \$10,000.
4. Replacement of suitable trees for hurricane preparedness. P. Bohlen (PI). Florida Department of Agriculture and Consumer Services, 2019. \$14,832.
5. Farm to table multigenerational connections. Y. Zhong (PI), W. Wei, D. Gammonley and P. Bohlen (Co-PIs). Rosen College of Hospitality Management, Dean's Research Clusters Program, 2018-2019. \$10,000.
6. WSC-Category 2 Collaborative: Robust decision-making for South Florida water resources by ecosystem service valuation, hydro-economic optimization and conflict resolution modeling. National Science Foundation Water Sustainability and Climate Program. 2013-2018. \$126,125 (P. Bohlen share of \$1,540,583 award).
7. Maintenance practices for stormwater runoff, Phase 1 and 2. Ni-Bin Chang (PI), P. Bohlen and M. Wanielista (Co-PIs). Florida Dept. of Transportation Contract No. BDK78 TWO97709. 2012-2015. \$289,197.
8. Tampa Bay social and environmental sampling. P. Bohlen (PI) and L. Souto (Co-PI). Subcontract from Applied Ecology, Inc., for "Residential stormwater quality evaluation for the Tampa Bay area," funded by the Tampa Bay Estuary Program. 2012-2014. \$44,010 (P. Bohlen share of \$200,000 award).
9. Advancing methods to integrate social and environmental data. L. Souto (PI), P. Bohlen (Co-PI). Florida Department of Environmental Protection, 2012-2013. \$87,699.

10. Best management practices for aquatic restoration in lakes and streams. Ni-Bin Chang (PI), P. Bohlen and M. Wanielista (Co-PIs). Florida Fish and Wildlife Conservation Commission. 2012-2013. \$80,000.
11. Assessing trade-offs among ecosystem services in a payment-for-water services program on Florida ranchlands. P. Bohlen (PI), D. Jenkins, P. Quintana-Ascencio, J. Fauth, S. Shukla, and G. Kiker (Co-PIs). EPA-G2008-STAR-K1 special funding opportunity: Enhancing ecosystem services from agricultural lands: management, quantification, and developing decision support tools. 2010-2014. \$480,853.
12. Paying for environmental services from Florida ranchlands: moving from pilot phase to program operation. Awarded to World Wildlife Fund (WWF) by the USDA Conservation Innovation Grant Program. S. Lynch (PI), L. Shabman, P. Bohlen, H. Swain and others (Co-PIs). 2008-2010. \$583,349 (P. Bohlen share of \$1,900,963 project funds that include \$950,481 from the CIG grant and an equal match from the Florida Dept. of Agriculture and Consumer Services).
13. Demonstration and assessment of water management BMP alternatives for phosphorus and water retention in the Lake Okeechobee basin. S. Shukla (PI) and P. Bohlen (Co-PI). Contract No. G0231, Florida Department of Agriculture and Consumer Services, USEPA 319 Program. 2007-2009. \$211,811.
14. Synergistic effects of cattle grazing, fire and pasture management on wetland ecosystems. P. Bohlen (PI), D. Jenkins, P. Quintana-Ascencio and J. Fauth (Co-PIs). USDA-NRI Managed Ecosystems Program, Award No. 2006-01378. 2006-2009. \$399,867.
15. Agroecosystem management for the 21st century (conference proposal). USDA-NRI Managed Ecosystems Program, Award No. 2006-01400. P. Bohlen (PI), R. Lowrance, M. Wander, L. Drinkwater (Co-PIs). 2006-2007. \$10,000.
16. Invasion of north temperate forest soils by exotic earthworms. P. Groffman, T. Fahey, J. Yavitt, J. Maerz, M. Fisk and P. Bohlen. National Science Foundation Ecosystems Program, Award No. 0543065. 2006-2010. \$50,000 (P. Bohlen share of \$870,800 collaborative project).
17. Market-based program for environmental services on south Florida ranch lands. USDA-NRCS Conservation Innovation Grant to the World Wildlife Fund (WWF). S. Lynch (PI), WWF, L. Shabman, P. Bohlen, H. Swain and others (Co-PIs). 2005-2007. \$999,923. Matching funds to project include \$500,000 each from the South Florida Water Management District and Florida Dept. of Agriculture and Consumer Services. Project received additional \$2 million from Florida legislature in 2006 for total project funds of \$4 million. Total share of project funds to P. Bohlen and MAERC was \$548,084 for research/documentation and \$573,000 for implementation and participation (\$1,121,084).
18. Development of a management-focused, spatial decision support tool to simulate water resource effects of climate forecasting within southern Florida beef cattle agroecosystems. G. Kiker (PI), P. Bohlen, H. Swain, K. L. Campbell (Co-PIs). USDA. 2005-2006. \$40,000.
19. Curricular development and capacity building in agro-ecology sciences. USDA, Hispanic-Serving Institutions Education Grants Program. M. Bhat (PI), K. Jayachandran, A. Melesse, and S. Koptur (Co-PIs). 2005-2006. \$15,000 (P. Bohlen, share of \$223,000 award).

20. Pasture water management for reduced phosphorus loading in the Lake Okeechobee watershed. Contract No. 10808, Florida Dept. of Agriculture and Consumer Services. K. Campbell (PI), P. Bohlen, J. Capece and D. Graetz (Co-PIs). 2005-2006. \$207,333.
21. Pasture water management for reduced phosphorus loading in the Lake Okeechobee watershed. Contract No. 040348, South Florida Water Management District. P. Bohlen (PI). 2004-2008. \$330,641.
22. Monitoring the success of wetland restoration in two USDA Wetland Reserve Program sites in subtropical rangelands of south Florida. John D. and Catherine T. MacArthur Foundation. P. Bohlen, H. Swain, L. Lollis. 2003-2006. \$250,000.
23. Optimization of best management practices for beef cattle ranching in the Lake Okeechobee Basin. P. Bohlen (PI). South Florida Water Management District and Florida Department of Agriculture and Consumer Services, Contract No. C-13414. 2002-2003. \$290,000.
24. Research-related operations expenses in support of research for beef cattle BMP project at MacArthur Agro-ecology Research Center. P. Bohlen and G. Lollis. Center for Natural Resources, University of Florida Institute of Food and Agricultural Sciences. 2001. \$25,000.
25. Agro-ecosystem indicators of sustainability as affected by cattle density in ranch management systems. F. Roka (PI), P. Bohlen, J. Mullahey, J. Arthington, K. Campbell, S. Coleman, D. Graetz, R. McSorley, K. Portier, A. Steinman, G. Tanner and M. Williams (Co-PIs). USDA-NRI Agricultural Systems Program, Award No. 2001-35211-10080. 2001-2004. \$530,000.
26. Field station and marine laboratories: Classroom and laboratory improvements for Archbold Biological Station. H. M. Swain (PI), P. J. Bohlen, R. Bowman and E. Menges (Co-PIs). NSF FSML Program. 2000-2001. \$125,848.
27. Influence of cattle grazing and land use on freshwater wetlands in grazing lands. P. Bohlen (PI), D. Graetz and A. Steinman (Co-PIs). USDA-NRI Ecosystems Program, Award No. 00-35101-9282. 2000-2002. \$267,300.
28. Optimization of best management practices for beef cattle ranching in the Lake Okeechobee Basin—Part 2. J. Capece (PI), K. L. Campbell, D. A. Graetz, K. M. Portier, P. Bohlen and H. Swain (Co-PIs). Contract No. G0231, Florida Department of Agriculture and Consumer Services, USEPA 319 Program. 2007-2009. \$250,000.
29. Optimization of best management practices for beef cattle ranching in the Lake Okeechobee Basin. P. Bohlen (PI) and H. Swain (Co-PI). South Florida Water Management District, Contract No. C-8614. 1999-2001. \$315,000.
30. Invasion of north temperate forests by exotic earthworms. P. Groffman (PI), P. Bohlen and T. Fahey (Co-PIs). NSF Ecosystems Program, Award No. DEB-9726869. 1998-2001. \$700,000.
31. The role of earthworms in conservation and loss of carbon and nitrogen in agroecosystems. R. Parmelee (PI), C. Edwards, B. Stinner, P. Groffman (Co-PIs), P. Bohlen (co-author). National Science Foundation Ecosystems Program, Award No. DEB-9419727. 1995-1998. \$640,000.



## **MEDIA ATTENTION FOR RECENT PROJECTS**

- Dunlop, B. 2023. The outsiders are in: a collaborative approach pays off with more resilient landscapes for Florida housing. *Landscape Architecture Magazine*, Nov. 2023: 58-75.
- Sandoval, E. University of Florida researchers test landscaping that saves water, money. Plants used in newly-built Central Florida community. *FOX News 6*. (July 2023). [Link](#).
- Reimagining new home construction with drought-free landscaping. *The Apopka Voice*. (May 2023). [Link](#).
- Stevens, A. P. Making yards more diverse can reap big environmental benefits: Substituting native plants for turf grass saves water while helping people and wildlife. *ScienceNewsExplores* (June 2023). [Link](#).
- Telemundo 31 Orlando. (TV news story) Crisis de agua: la realidad con la que pudiera lidiar Florida para el 2050. *T31 Orlando News*. (May 2023). [Link](#).
- Waldenberger, G. (TV news story) New Osceola County development project promotes sustainable landscaping plans. *WFTV 9 News*. (April 2023). [Link](#).

## **TEACHING EXPERIENCE**

### ***Courses taught***

- 2017 Honey Bee Biology and Beekeeping (ENY3571), 16 students, High-Impact Research-Intensive Course designation, spring semester, 2017-current.
- 2016 Introduction to Environmental Science (EVR1001), 220-275 students, Black Diamond, General Education Program class, fall semester, 2016-current.
- 1997 Forest Ecology, Bard College, Grad. School of Environmental Studies.
- 1996 Ecosystem Ecology, Bard College, Grad. School of Environmental Studies.
- 1995 Instructor in the Education Program of the Institute of Ecosystem Studies.
- 1989 Teaching assistant, Animal Physiological Ecology (ZOO 553), Miami University.
- 1988 Introduction to Ecology (ZOO 332) (invited lectures), Miami University.
- 1988 Teaching assistant, Field Ecology (ZOO 333), Miami University.

### ***Lectures given in courses***

- 2007 Agroecology, Florida International University (2007-2009).
- 2007 Ecology of Grassland Systems, multi-university traveling course.
- 2006 South Florida Ecosystems, University of Florida.
- 2006 Sustainable Agriculture, Florida International University.
- 1994 Ecosystem Ecology, Bard College.
- 1991 Agroecology, the Ohio State University.

### ***Extension education presentations***

- 2017 Using native plants in urban landscapes, Landscape U, Orange Co. Extension Education Center, UF/IFAS, Dec. 5.

### ***Other education program activities***

- Faculty advisor to Urban Ecological Methods class at UCF (BSC 4861L).
- Collaborator on Agroecology Certificate Program at Florida International University

targeting minority undergraduate and graduate students, and high school students and teachers: field workshop organizer, lecturer, and program advisor.

- Helped develop public educational eco-tours on the ecology of Florida cattle ranches.
- Helped develop Archbold Biological Station web-based virtual tour for teaching middle school students about ranch ecology and agricultural production.

## **MENTORING AND ADVISING EXPERIENCE**

### ***Postdoctoral advisees***

Elizabeth Boughton, 2010.

Stanley Gathumbi, 2000-2005.

### ***Graduate students***

1. Rachel Weavers (co-advised), M.S., University of Central Florida, 2023-current.
2. Mykayla Hagaman, M.S., University of Central Florida, 2022-current.
3. Alessandra Pandolfi, PhD, University of Central Florida, 2021-current.
4. David Sherer, M.S., University of Central Florida, 2019.
5. Alicia Huber, M.S., University of Central Florida, 2017.
6. Lindsay Skovira, M.S., University of Central Florida, 2016.
7. Pam Ito, M.S., Bard College, 1999.

### ***Graduate student committees***

1. Brooke Moffis, PhD., University of Florida, current.
2. Anthony Mirabito, PhD., University of Central Florida, current.
3. Allison Malay, PhD., University of Central Florida, current.
4. Chelsea Nitsch, M.S., University of Central Florida, current.
5. Sarah Parker, M.S., University of Central Florida, current.
6. Paul Boudreau, M.S., University of Central Florida, current.
7. Havalend Steinmuller, PhD., University of Central Florida, 2019.
8. Elizabeth Becker, PhD., University of Central Florida, no degree.
9. Debapi Ghosh, PhD., University of Central Florida, 2016.
10. Sanaz Imen, PhD., University of Central Florida, 2015.
11. Angelica Engle, M.S., University of Florida, 2015.
12. Jamie Jones, M.S., University of Central Florida, 2013.
13. Zachary Marimon, M.S., University of Central Florida, 2013.
14. Jennifer Manis, M.S., University of Central Florida, 2013.
15. Jason Neumann, M.S., University of Florida, 2011.
16. Katie Windes, M.S., University of Central Florida, 2010.
17. Elizabeth Boughton, PhD., University of Central Florida, 2009.
18. Natalie Balcer, M.S., University of Florida, 2006.
19. Wolfgang Prein, M.S., FH Joanneum, Austria, 2005.
20. Jan Kokemor, M.S., University of Bonn, Germany, 2004.
21. Carla M. Sperry, M.S., University of Florida, 2004.
22. Nicola Clegg, M.S., Stirling University, Edinburgh, Scotland, 2001.

***Undergraduate/post-baccalaureate student mentoring (55 research, 33 leadership)***

*National Science Foundation Research Experience for Undergraduates (REU) Program, pre-UCF (4 total):*

Julia Long, Ohio State Univ., 1993; Ellis Still, Rutgers Univ., 1995; Heather Kiewig, 1996, Carleton College; Amy Burtelow, Rutgers Univ., 1997.

*National Science Foundation, UCF REU Site Program: Conservation, Restoration and Communication (L. Walters, K. Mansfield PIs) (2 total)*

Robin Pitilon, Valencia College, 2022; Jennifer McNamara, College of the Atlantic, 2023.

*Archbold Biological Station Student Research Trainees, 1998-2010 (24 total):* Laura Spangler, Emory Univ.; Rachel Butzler, Penn State Univ.; Tim Dickson, St. Olaf College; Wilhelmina Tsang, Brandeis Univ.; Christine Edwards, Univ. of Colorado; Julie Golod, Michigan State Univ.; Nicola Clegg, Stirling Univ., Edinburgh Scotland; Julie Conklin, Rutgers Univ.; Alyssa Zimman, Cornell College; Robin Rossmanith, Southern Illinois Univ.; Jonathan Hogarth, Aalborg Univ., Denmark; Laura Calabrese, Hobart and William Smith Colleges; Brad Christoffersen, Southern Nazarene University; Pedro Priante, Univ. Federal de Mato Grosso, Brazil; Brook Traynham, Emory Univ.; Jan Kokemor, Univ. of Bonn, Germany; Wolfgang Prein, FH Joanneum, Austria; Jenna Smith, New College; Elizabeth Boughton, Univ. of Central Florida; Andrew Tweel, Colorado College; Katie Windes, Univ. of Indiana; Rob Morrison, Kalamazoo College; Annie Weiler, Univ. of Minnesota; Chris Wilson, New College.

*Undergraduate Research Mentoring at UCF (25 total):*

Rachel King, 2010-2011; Sasha Tittel<sup>1</sup>, 2011-2012; Linh Anh Cat<sup>1,2</sup>, 2011-2013; Danielle Lang, 2011-2013; Marisa Zimmerman<sup>1</sup>, 2012-2014; Melissa Paduani<sup>1</sup>, 2013-2014; Jessica Sandoval<sup>1,2</sup>, 2014-2016; Corine Faehn<sup>1</sup>, 2015-2016; Yvelande Raymond<sup>1,2</sup>, 2016-2017; Matthew Rudolph, 2017; Shiala Naranjo<sup>3</sup>, 2017-2019; Jessica Jowais<sup>1,4</sup>, 2017-2019; Allison Malay<sup>1</sup>, 2018-2019; Elise Decuba<sup>1</sup>, 2018-2019; Michelle Winter, 2019; Ghada Swissi, 2019; Veronica Suarez, 2020-2021; Caroline Ibarra<sup>1</sup>, 2020-2021; Alexander Gregory<sup>1,3</sup>, 2020-2022; Tuesday Piper<sup>1</sup>, 2021-2022; Marie Burdett<sup>1</sup>, 2022-2023; Samantha Henry<sup>4</sup>, 2022-current; Yaelle Reeve<sup>3,4,5</sup>, 2022-current; Robin Pitilon 2024-current; Cori Keim, 2023-current. (25)

<sup>1</sup> presented at the Showcase for Undergraduate Research Excellence/Student Scholar Symposium

<sup>2</sup> received judges award at Student Scholar Symposium.

<sup>3</sup> awarded Summer Undergraduate Research Fellowship, Office of Undergraduate Research

<sup>4</sup> Honors Undergraduate Thesis Program

<sup>5</sup> Honors Undergraduate Thesis Fellowship, College of Sciences

*Mentoring undergraduates in the UCF Arboretum's Learning-by-Leading™ Program (38 total): Student co-coordinators (7 total)*

Madison Schmidt, 2019-2020; Rachel Gutner, 2019-2021; Veronica Renzette, 2020-2021; June Davison, 2021-2023; Ethan Hudson, 2021-2022; Stephanie Morris, 2022-current; Lauren Mettke, 2023-current (7).

*Student interns (31 total)*

Ashton Eviker, Fall 2019; Courtney Lewis, Fall 2019; Coral Robson, Fall 2019; Nathan Leemis, Spring 2020-Spring 2021, Courtney Lewis, Spring 2020; Veronica Renzette, Spring 2020; Coral Robson, Spring 2020; June Davison, Fall 2020-Spring 2021; Samarah Martin, Fall 2020-Spring

2021; Rebekah May, Fall 2020; Joshua Yother, Fall 2020; Margaret Smartt, Spring 2021; Kara Wilson, Spring 2021-Spring 2023; Andrea Cabezas, Spring and Fall 2021; Fabiana Antezana, Fall 2021-Fall 2023; Willow Hearne, Fall 2021-Spring 2022; Stephanie Morris, Fall 2021-Spring 2022; Antonia Garcia, Spring 2022; Justin Johnson, Spring 2022-Fall 2023; Natassia Kaleta, Fall 2022-Spring 2023; Tara Morgan, Fall 2022; Carson Bassett, Spring 2023-Spring 2024; Cori McWilliams, Spring 2023; Lauren Mettke, Spring 2023; Genevieve Perez, Spring 2023; Alejandro Cadavieco, Fall 2023-Spring 2024; Sydni Burge, Fall 2023-Spring 2024; Kassidy Headlee, Fall 2023-Spring 2024; Kayla Yosvilai, Fall 2023; Lily Pacenti, Spring 2024; Avery Neuhardt, Spring 2024. (31).

## UNIVERSITY SERVICE AND COMMITTEES

- Search Committee Chair, Instructor/Lecturer Herbarium Curator, 2023/24.
- Dept. of Biology Graduate Committee, 2022-present.
- Dept. of Biology Faculty Liaison to the UCF Arboretum, 2022-present.
- Promotion and Tenure Committee Member, College of Sciences, 2022.
- Promotion and Tenure Committee Chair, College of Undergraduate Studies, 2022.
- Foundation Co-Lead for the 2021/22 Knowledge Application Theme of the Integrated General Education Program Faculty Leadership Team.
- Committee to develop promotion and tenure guidelines for the newly created department of Interdisciplinary Studies within the College of Undergraduate Studies, 2020.
- Dept. of Biology Steering Committee, 2019-2021.
- Search Committee Chair, Integrated Plant Biologist, 2018.
- UCF Public Art Master Plan Committee Member, 2015-2022.
- Search Committee Chair, Plant Physiological Ecologist, 2016.
- Campus Sustainability Steering Committee Member, 2015-2020.
- University Master Planning Committee Chair, 2014-2022.
- Biology representative to Environmental Chemistry Search Committee 2014.
- Responsible authority for conservation elements of the 2014 UCF Campus Master Plan.
- Campus Landscape Master Plan, 2013-16. Initiated and led development of first UCF campus landscape master plan in conjunction with Bellomo-Herbert, Landscape Architects, and Carol R. Johnson Associates. 2013-2016.
- Facilities and Space Committee Chair, Dept. of Biology, 2018-2022.
- UCF Football Executive Committee, 2012-2020.
- Winter Park Garden Club Scholarship Committee Chair, 2010-current.
- Facilities and Space Committee, Department of Biology, 2010-2022.
- Natural Lands Committee Chair, Dept. of Biology, 2010-2014.
- University Master Planning Committee, voting member, 2010-2022.

## PROFESSIONAL AFFILIATIONS

American Association for the Advancement of Science  
 Ecological Society of America (life member, Senior Certified Ecologist)  
 Entomological Society of America  
 Society for Conservation Biology

Society of Wetland Scientists (life member)

## **PROFESSIONAL SERVICE**

### ***Editorial boards***

- *Advances in Agroecology*, CRC Press, Taylor and Francis Group, 2009-current.
- *Applied Soil Ecology*, 1996-2001.
- *Bulletin of Environmental Contamination and Toxicology*, 1994-2000.
- *Ecology and Ecological Monographs*, 2001-2005.
- *Frontiers in Ecology and the Environment*, 2007-2019.
- *Rangeland Ecology and Management*, 2008-2010.
- Guest Editor, *Applied Soil Ecology* Special Issue on Biological Invasions, 2003-2004.

### ***Symposium organizer***

- Agronomy Society of America, 2006.
- Ecological Society of American Annual Meeting, 2006.
- Southern Association of Agricultural Scientists, Orlando, FL, 2002.
- Co-chair, 6th International Symposium on Earthworm Ecology, Vigo, Spain, 1998.

### ***National review panels***

- BiodivERsA and Water JPI Joint European Call, Conservation and Restoration of Degraded Ecosystems and Their Biodiversity, Including a Focus on Aquatic Systems. Sept 2021.
- BiodivERsA 3 Pan-European Biodiversity and Ecosystem Services Program, April 2016, Paris, France.
- USDA-NRI Managed Ecosystems Program, Winter 2007, Washington, D.C.
- National Science Foundation Ecology Program, Spring 2000, 2002, Washington, D.C.
- National Science Foundation Doctoral Dissertation Improvement Awards Program 1999, Washington, D.C.

### ***Proposal reviewer***

- National Science Foundation, Ecology/Ecosystem/LTREB Programs, 1999, 2001-2009, 2012.
- Leopold Center for Sustainable Agriculture, Competitive Grants Program, 2009.
- Reviewer of book proposal on biofuels, CRC Press, Taylor and Francis Group, 2009.
- USDA-NRI Competitive Grants Program, 2005.
- Natural Sciences and Engineering Research Council of Canada, Discovery Grant Program Reviewer, 2004.
- Marsden Fund, The Royal Society of New Zealand, 1998, 2000, 2001.
- Natural Environmental Research Council Proposal, United Kingdom, 1998.

### ***Offices and board memberships held***

- Board of Directors and founding member of the OUTSIDE Sustainable Landscape Collaborative ([www.outsidecollab.com](http://www.outsidecollab.com)), 2020-current.
- Co-Chair, Environmental Sustainability Criteria Development Subcommittee, National Sustainable Agriculture Standard Development, Leonardo Academy, 2009-2010.

- Secretary, Soil Ecology Society, 2001-2003.
- Secretary of the Soil Ecology Section of the Ecological Society of America, 1995-1997.

### ***Committees and review teams***

- Organizing Committee, OUTSIDE: Sustainable Landscape Collaborative 2020.
- Global Soil Biodiversity Assessment, Steering Committee, Global Soil Biodiversity Secretariat, Ft. Collins, CO, Feb. 26-28, 2013.
- USDA-ARS Site Review Team, Subtropical Agricultural Research Station, Brooksville, FL, May 17-18, 2004; Program review participant, Nov. 12, 2009.
- Wetlands Enhancement Advisory Committee, University of Florida, 2003-2005.
- Ecological Society of America, JSTOR Journal Selection Committee, 2003.
- Heinz Center *State of the Nation's Ecosystems* Project Reviewer, 2001.
- Search Committee, USDA-ARS Subtropical Agricultural Research Station, Brooksville, FL, 2000.
- Nominating Committee, International Soil Ecology Society, 1997.

### ***Invited workshop participant, session chair***

- Invited Participant, Hollings Center for International Dialogue, *Smart and Sustainable Cities: Understanding How to Build the Modern City*, Marrakesh, Morocco, Oct. 23-27, 2019.
- Invited Participant, USDA-ARS Rangeland, Pasture and Forages National Program Workshop, 1999.
- Invited workshop moderator, Ecological Society of America Annual Meeting, 1996.
- Contributed paper session chair, Ecological Society of America Annual Meeting, 1996.

### ***Reviewer for professional journals***

- Applied Soil Ecology, Biogeochemistry, Biological Conservation, Biological Invasions, Bulletin of Environmental Contamination and Toxicology, Canadian Journal of Forest Research, Ecological Applications, Ecological Monographs, Ecology, Ecoscience, Ecosystems, Environmental Engineering, Frontiers of Ecology and the Environment, Functional Ecology, Ecology Letters, Geoderma, Global Change Biology, Nature, Northeastern Naturalist, Oecologia, Oikos, Rangeland Ecology and Management, Science, Soil Biology & Biochemistry, Soil Science Society of America Journal, Southeastern Naturalist; Tropical Ecology, Urban Ecosystems.
- Invited book reviews: Applied Soil Ecology, Ecology, Soil Biology & Biochemistry.

### ***Other service***

- SEEDS Program Mentor, Ecological Society of America Annual Meeting, 1999.

## **PRESENTATIONS**

### ***Invited Presentations (scientific and lay audiences, 105 total)***

1. Iannone, B. V. P. Bohlen, R. Levey, B. L. Moffis<sup>†</sup>, J. Kipp, N. Taylor and P. Jones. 2024. Alternative landscaping as a water conservation strategy in expanding residential landscapes. University of Florida Water Institute Symposium, Gainesville, FL, Feb. 20.

2. Iannone, B. V. P. J. Bohlen, A. Dale, V. Cope, M. Hagaman, A. Pandolfi, B. Moffis, J. Kipp and P. Jones. 2023. Enhancing invertebrate communities through sustainable landscaping practices in a new suburban development. Annual meeting of the Entomological Society of America. National Harbor, MD, Nov. 9.
3. Bohlen, P., B. Iannone and B. Moffis. 2023. OUTSIDE sustainable landscaping research at Sunbridge. Seminole County Board of County Commissioners Symposium, Sandford, FL, Apr. 4.
4. Bohlen, P. J. 2022. Sunbridge development sustainable landscape project. American Waterworks Association, Florida Section, Water Conservation Symposium, Orlando, FL, Nov. 30.
5. Bohlen, P. J. 2022. Ecological indicators of native plant ecosystem services: pollinators and other insects, OUTSIDE Sustainable Landscape Collaborative 2022, Orlando, FL, Oct. 13.
6. Bohlen, P. J. 2022. Pollinator conservation programs at the University of Central Florida, Pine Lily Chapter of the Florida Native Plant Society, via Zoom, Apr. 28.
7. Bohlen, P. J. 2022. Sustaining biodiversity in the urban environment. Local Sierra Club Chapter Meeting, Orlando, FL, via Zoom, May 20.
8. Bohlen, P. J. 2022. UCF leads the way as a bee campus USA. UCF Global Earth Day Celebration, Orlando, FL, Apr. 22.
9. Bohlen, P. J. 2022. Role of urban green and blue infrastructure in conservation of biodiversity and urban livability. Public Administration Research Conference, Orlando, FL, via Zoom, Mar. 25
10. Bohlen, P. J. 2021. The campus as a living laboratory for testing ideas about biodiversity and ecosystem services. University of West Florida, Pensacola, FL, Nov. 5.
11. Bohlen, P. J. 2021. Managing native plants across the landscape transect to support biodiversity. Pine Lily Chapter of the Florida Native Plant Society. Online, Oct. 28.
12. Bohlen, P. J. 2021. Academic perspective: the why and how. Part of a joint presentation on the implementation panel at the OUTSIDE Collaborative annual conference, filmed live at the office of Dix·Hite + Partners, Orlando, FL, Oct. 21.
13. Bohlen, P. J. and B. Saulsbury. 2021. Prescribed fire at the wildland-urban interface. Central Florida Prescribed Fire Council Annual Meeting. Online, Oct. 1.
14. Bohlen, P. J. 2021. Pollinator conservation and ecology. Invited webinar presented to EPA Region personnel, June 23.
15. Bohlen, P. J. 2021. Promoting native plants through student leadership training at the UCF Arboretum. Keynote presentation at the Florida Native Plant Society Annual Conference, via Zoom, May 15.
16. Bohlen, P. J. 2021. The importance of the Econ Wilderness Area to regional conservation. Virtual presentation to the Legacy Pointe at UCF Senior Living Community, Apr. 7
17. Bohlen, P. J. 2021. Pollinator gardens at the UCF Arboretum. UF-IFAS Extension Seminole County Master Gardeners, Sandford, FL, via Zoom, Feb. 27.
18. Bohlen, P. J. 2021. Role of fire in maintaining biodiversity in upland long-leaf pine ecosystems. Valencia College Peace and Justice Institute, 2021 Conversation on Justice, via Zoom, Jan. 27.
19. Bohlen, P. J. 2020. Bee campus USA—the UCF application experience. Xerces Society webinar Mobilizing your campus to conserve pollinators: an introduction to applying to Bee Campus USA, via Zoom, Nov. 12.

20. Bohlen, P. J. 2020. Biodiversity as a metric for sustainable landscapes. Outside 2020, Sustainable Landscape Collaborative, Virtual Meeting, via Zoom, recorded, Oct. 22.
21. Bohlen, P. J. 2020. Sustaining biodiversity in the urban environment. Seminole County Master Gardeners, via Zoom, May 28.
22. Bohlen, P. J. 2020. Sustaining biodiversity in the urban environment. Sierra Club monthly meeting, via zoom, May 20.
23. Bohlen, P. J. 2020. Ecological foundations for sustainable landscapes. Outside Collaborative Webinar hosted by 1000 Friends of Florida, Apr. 23, 400+ viewers.
24. Bohlen, P. J. 2019. Can earth save the humans? LIFE at UCF, Orlando, FL, Nov. 29.
25. Bohlen, P. J. 2019. Catching a buzz and playing with fire: advancing conservation in Florida's urban landscapes. Paw Paw chapter of the Florida Native Plant Society, Daytona Beach, FL, Oct. 13.
26. Bohlen, P. J. 2019. Of wannabees and wild bees: and ecologist's perspective on beekeeping, Seminole County Beekeepers Association meeting, Sanford, FL, Jun. 5.
27. Bohlen, P. J. 2019. What's all the buzz about pollinators? Lake County Master Gardeners, UF-IFAS Extension Center, Tavares, FL, May 9.
28. Bohlen, P. J. 2019. Catching a Buzz and Playing with Fire: Advancing Urban Ecology at the UCF Arboretum, UCF Distinguished Speaker Series, Winter Springs, FL, Jan. 23.
29. Bohlen, P. J. 2018. Wannabees and wild bees: honey bee and pollinator programs at UCF, Orange Blossom Beekeepers Association meeting, Orlando, FL, Nov. 15.
30. Bohlen, P. J. 2018. Pollinator decline and conservation. Knights for Marine Wildlife Conservation, Orlando, FL, Apr. 15.
31. Bohlen, P. J. 2018. The pollinator crisis and what you can do about it. Orlando Garden Club, Orlando, FL, Jan. 19.
32. Bohlen, P. J. 2017. Bringing biodiversity back into urban yards! Florida Native Plant Month Event at Leu Gardens, Orlando, FL, Oct. 3.
33. Bohlen, P. J. 2017. Sustaining native plants in urban environments: the UCF Experience, Cuplet Fern Chapter of the Florida Native Plant Society, Sanford, FL, Jul. 10.
34. Bohlen, P. J. 2017. What all the buzz about pollinators? Seminole County Garden EXPO, Sanford, FL, Mar. 4.
35. Bohlen, P. J. 2017. A walk through campus in a talk through LIFE. Life Institute for Elders, University of Central Florida, Orlando, FL, Jan. 24.
36. Bohlen, P. J. 2016. Everglades Payment for Environmental Services 3: Quantification and tradeoffs for biodiversity services. 2016 Annual International Meeting of the American Society of Agricultural and Biological Engineers, Orlando, FL, Jul. 18.
37. Bohlen, P. J. 2016. How important are native plants to urban biodiversity. Florida Native Plant Society Annual Meeting, Daytona Beach, FL, May 20.
38. Bohlen, P. J. 2015. Meeting the challenges of sustainability through campus landscape and natural lands programs. American Physical Plant Association Housing meeting, Tampa, FL, Oct. 21.
39. Bohlen, P. J. 2015. Landscape and natural resource sustainability programs at the University of Central Florida. Osceola County Master Gardener's Association, Kissimmee, FL, Sep. 9.
40. Bohlen, P. J., A. B. Bernard, and J. A. Elliott. 2015. Nature's academy: The importance of conserving campus wild spaces. 100th Annual Meeting of the Ecological Society of America, Baltimore, MD, Aug. 13.



41. Bohlen, P. J. 2015. Wetlands as key to water quality best management practices on Florida ranchlands. Florida International University, Marine Sciences Seminar, Melbourne, FL, Feb. 11.
42. Bohlen, P. J. 2014. A brief history of carbon: life's humble element. Moveable Feast Social Club, Orlando, FL, Nov. 22.
43. Bohlen, P., J. Fauth, D. Jenkins, P. Quintana-Ascencio and E. Boughton. 2014. Measuring animal-related ecosystem services: wetland biodiversity and pests. American Society of Agricultural and Biological Engineers Annual Meeting, Montreal, Canada, Jul. 15.
44. Bohlen, P. J. 2014. Going native, but not all the way. Sweetwater Oaks Garden Club, Longwood, FL, Mar. 10.
45. Bohlen, P. J. 2014. Overview of UCF Landscape and Natural Resources and Arboretum Program. Professional Grounds Association Annual Meeting, Orlando, FL Mar. 3
46. Bohlen, P. J. 2013. Wetland restoration in the Northern Everglades: watershed potential and nutrient legacies. 2013 International Annual Meeting, American Society of Agronomy, Soil Science Society of America, Tampa, FL, Nov. 4.
47. Bohlen, P. J., E. Boughton, J. Fauth, D. Jenkins, P. Quintana-Ascencio and H. Swain. 2013. Evaluating ecological responses to hydrologic changes in a payment-for-environmental-services program on Florida ranchlands. 2013 American Society of Agricultural and Biological Engineering International Meeting, Kansas City, MO, July 24.
48. Bohlen, P. J. 2013. Going native, but not all the way: incorporating native plants into central Florida landscapes. Winter Park Garden Club General Meeting, Orlando, FL, Feb. 13.
49. Bohlen, P. J. 2012. Something new under the ground: ecosystem consequences of earthworm invasions. Symposium at the 97th Annual Meeting of the Ecological Society of America, Portland, OR, Aug. 8. Annual Meeting Abstracts. Bulletin of the Ecological Society of America 93: S89–S89. <http://dx.doi.org/10.1890/2012.abstracts>.
50. Bohlen, P. J. 2012. Wetlands as key to water quality best management practices on Florida ranchlands. Symposium at 9th INTECOL International Wetlands Conference. Orlando, FL, Jun. 6.
51. Bohlen, P. J. (with B. Whalen and J. Wohl). 2010. Dispersed water storage and nutrient treatment on private land. National Association of Conservation Districts Annual Meeting. Feb. 2.
52. Bohlen, P. J. 2009. Reconciling ecosystem services with economic realities on Florida cattle ranches. Thompson River University, Environmental Science Seminar Series, Kamloops, British Columbia, Sept. 24.
53. Lynch, S. and P. J. Bohlen (presenter). 2008. Securing water related environmental services at a landscape scale from working cattle ranches in the Northern Everglades Watershed. Greater Everglades Ecosystem Restoration Conference, Naples FL, July 31.
54. Bohlen, P. J., S. Shukla, and M. W. Clark. 2008. Nutrient storage and transport processes on ranchlands in the northern Everglades: consequences for greater everglades ecosystem restoration. Greater Everglades Ecosystem Restoration Conference, Naples FL, July 30.
55. Bohlen, P. J. 2008. Ecosystem services from grazing lands: building bridges between sustainability and profitability. Joint meeting of the Society for Range Management and the American Forage and Grasslands Council, Louisville, KY, Jan. 29.
56. Bohlen, P. J. 2008. Sustaining ecosystem services on Florida cattle ranches. St. Petersburg Audubon Society Chapter monthly meeting. St. Petersburg, FL, Jan. 15.

57. Bohlen, P. J. 2007. Let there be left: sustaining wet and wildness on Florida cattle ranches. University of Florida, Center for Wetland, Dec. 5.
58. Bohlen, P. J. 2007. Biological stations as leaders in meeting the ecological challenges of today and tomorrow. Kansas State University, Division of Biology Seminar, Dec. 3.
59. Bohlen, P. J. 2007. Ecological and social dimensions of phosphorus cycling on a Florida cattle ranch. Cornell University, Biogeochemistry Seminar Series, Oct. 26.
60. Bohlen, P. J. 2007. Ecological and economic aspects of sustainability on a Florida cattle ranch. Jones Ecological Research Center. Ichauway, GA. Oct. 18.
61. Bohlen, P. J. 2007. Agro-ecological restoration: understanding your place in the landscape of sustainability. Symposium at the 92nd Annual Meeting of the Ecological Society of America, San Jose, California, Aug. 8.
62. Bohlen, P. J. and H. M. Swain. 2006. Ranching for environmental services: public benefits from private lands. 3rd National Grazing Lands Conservation Initiative Meeting, St. Louis, MO. Dec. 11.
63. Bohlen, P. J. 2006. The role of cattle ranches in the conservation and sustainable development of Florida's landscape. University of Central Florida, Dept. of Biology, Orlando, FL. Oct. 19.
64. Heneghan, L. and P. J. Bohlen. 2006. Restoration in the face of invasion: the implications of biological invasion of the soil for successful conservation management. Ecological Society of America Annual Meeting. Memphis, TN, Aug. 11. Invited symposium talk.
65. Bohlen, P. J. 2006. Cattle ranches, wetlands, and ecosystem services in south Florida. University of Florida South Florida Ecosystems Course, Lorida, FL. May 16.
66. Bohlen, P. J. 2006. Restoring wetland functions on cattle ranches in South Florida: a common cause for cowboys and conservationists. University of Florida, Botany Dept., Gainesville, FL. Feb. 22.
67. Bohlen, P. J. 2005. Sustaining wetland functions in south Florida agricultural landscapes. Univ. of Florida, Indian River REC, Ft. Pierce, FL. Oct. 12.
68. Bohlen, P. J. 2005. Contributions to grazing lands conservation from the MacArthur Agro-ecology Research Center. National Grazing Lands Conservation Initiative National Steering Committee Meeting and Tour, Lake Placid, FL, Sept. 9.
69. Bohlen, P. J., S. Shukla, E. Hanlon. 2005. Water and nutrient management strategies for cow-calf production. South Florida Beef Cattle Forage workshop, Immokalee, FL, May 17.
70. Swain, H. (presenter) and P. J. Bohlen. 2005. Incentives for encouraging innovation in generating environmental services on cattle ranches; the ecologist's perspective. World Wildlife Fund Workshop on market-based approaches for capturing environmental services in agriculture, Washington D.C., April 14.
71. Bohlen, P. J., S. M. Gathumbi, K. McKee, M. Clark, and S. Grunwald. 2005. Strategic restoration of wetlands on private lands: regional approaches in the Lake Okeechobee watershed. 9th International Symposium on Wetland Biogeochemistry, Baton Rouge, LA, Mar. 21.
72. Bohlen, P. J. 2005. Management practices for reducing nutrient runoff from cattle ranches. Certified Crop Advisors' Seminar, Sebring, FL, Mar. 15.
73. Bohlen, P. J. 2004. Exotic earthworms as agents of change in north temperate forests. Miami University. Oxford, OH, Feb. 23.

74. Bohlen, P. J. 2004. New technologies to improve the environmental and economic performance of grazing lands. National State Resource Conservationist Conference, St. Louis, MO, March 22.
75. Bohlen, P. J. 2004. The role of cattle ranches in water quality issues in south Florida. Annual Meeting of the Florida Chapter of the Soil and Water Conservation Society, Lake Placid, Florida. Oct. 15
76. Bohlen, P. J. 2004. Innovative approaches for reducing nutrient runoff from cattle ranches in the Lake Okeechobee Basin. Grand Valley State University, Annis Water Resources Institute, Muskegon, MI, Oct. 21.
77. Bohlen, P. J. 2003. Phosphorus Management Workshop for South Florida Beef Cattle Operation, Hendry Co. Extension Office, Labelle, Florida. Influence of stocking rate on phosphorus loads in surface runoff from beef cattle pastures in South Florida, Feb. 11.
78. Bohlen, P. J. 2003. Ecological implications of earthworm invasion of north temperate forests. Invited plenary talk at the Soil Ecology Society Biennial Meeting, Palm Springs, California, May 12.
79. Bohlen, P. J. 2002. 8th Annual Public Interest Environmental Conference, U. Florida, Gainesville, Invited panelist on impacts of animal agriculture in the environment, Feb. 15.
80. Bohlen, P. J. 2002. Everglades Coalition Annual Meeting, Ft. Lauderdale, Florida. Invited panelist on the potential of beef cattle BMPs to reduce P loadings into Lake Okeechobee, Jan. 5.
81. Bohlen, P. J. 2002. University of Florida, Center for Wetlands. Opportunities and challenges for restoring wetlands on cattle ranches in South Florida, April 24.
82. Bohlen, P. J. and J. D. Arthington. 2002. Integrated approaches for the analysis of ranch management systems. Florida Cattlemen's Association Annual Meeting, June 21.
83. Bohlen, P. J. 2002. University of Georgia, Institute of Ecology, Athens, Georgia. Beef cattle production and nutrient enrichment of water and wetland systems in south Florida. Oct 17.
84. Bohlen, P. J. 2000. Soil fertility management in rangelands: from microbes to macroinvertebrates. Society for Range Management 53rd Annual Meeting Symposium, Boise, Idaho, Feb. 17.
85. Bohlen, P. J. 2000. Sediment nutrient dynamics of seasonal wetlands in relation to grazing land use, University of Florida, Center for Wetlands, Gainesville, Florida, Oct. 18.
86. Bohlen, P. J. 2000. Soil ecology of rangelands: the final frontier. Soil Science Society of American Annual Meeting Symposium, Minneapolis, Minnesota, Nov. 7.
87. Bohlen, P. J. 1999. Are earthworms good or bad?: the challenge of ascribing value in ecosystem science. University of Florida, Gainesville, Florida, April 6, 1999.
88. Bohlen, P. J. 1999. Water quality issues of beef cattle ranching in the Lake Okeechobee Basin. South Florida Community College, Agricultural Certification Course, Oct. 6.
89. Bohlen, P. J. 1998. Controls on organic matter dynamics and nitrogen cycling processes along an urban-to-rural gradient. Arizona State University, Tempe, Arizona, April 9.
90. Bohlen, P. J. 1998. Nutrient inputs and soil biota as regulators of nutrient retention and flux in agroecosystems. Archbold Biological Station, Lake Placid, Florida, March 5.
91. Bohlen, P. J. 1998. Biotic and abiotic effects on organic matter dynamics and nitrogen cycling processes along an urban-to-rural gradient. University of Toledo, Toledo, Ohio, April 13.

92. Bohlen, P. J. 1997. Soil biota as indicators of soil quality in agroecosystems. USDA-ARS Horticultural Research Laboratory, Orlando Florida, Sept. 23
93. Bohlen, P. J. 1996. Do earthworms matter?: Ecosystem-level consequences of a biological invasion. Université du Québec à Montréal, Montreal, Canada, Feb. 20.
94. Bohlen, P. J. 1996. Exotic earthworms as agents of change in North American forests. University of Basel, Basel, Switzerland, June 27.
95. Bohlen, P. J. 1996. Role of earthworms in retention and loss of carbon and nitrogen in terrestrial ecosystems. Swiss Federal Institute of Technology, Institute of Terrestrial Ecology, Zurich, Switzerland, Nov. 15.
96. Bohlen, P. J. 1996. Invasion by exotic earthworm alters fundamental control of nutrient cycling processes in temperate forests of the northeastern U.S. Colorado State University, NREL, Ft. Collins Colorado, Nov. 22.
97. Temperature and earthworm effects on C and N dynamics in oak stands along an urban-rural land use gradient. 1995. Meeting of the Northern Global Change Program, Mar. 14.
98. McDonnell, M. J., S. T. A. Pickett, R. V. Pouyat, R. W. Parmelee, M. M. Carreiro, P. J. Bohlen, W. C. Zipperer and K. Medley. 1995. Ecosystem processes along urban-to-rural gradients. Annual Meeting of the Ecological Society of America, Snowbird, Utah.
99. Bohlen, P. J. 1995. Invertebrates as keystone organisms and ecological indicators in soil. Illinois Natural History Survey, Center for Economic Entomology, Champaign, Illinois. Dec. 4.
100. Parmelee, R. W., P. J. Bohlen. 1994. Earthworms and nutrient cycling: summary and research imperatives. 5th International Symposium on Earthworm Ecology, Columbus, Ohio.
101. Bohlen, P. J. 1993. Earthworms in no-till agriculture. Meeting on no-tillage agriculture, Columbus, Ohio.
102. Edwards, C. A., P. J. Bohlen, D. R. Linden and S. Subler. 1993. Earthworms in agroecosystems. Workshop on earthworm ecology in forest rangeland and crop ecosystems in North America, Helen, Georgia.
103. Bohlen P. J. 1992. Earthworms, other soil organisms and soil health. Ohio Ecological Food and Farming Association, Wooster.
104. Bohlen, P. J. 1991. Earthworms in agricultural systems: effect on soil processes and relationships to management practices. Ohio Ecological Food and Farming Association Annual Meeting, Wooster, Ohio.
105. Bohlen, P. J. 1990. Soil fauna, nutrient cycles and organic matter dynamics in natural and agroecosystems. Permaculture Design Workshop, Loveland, Ohio.

***Offered Presentations at Professional and Scientific Meetings and Symposia (157 total),  
 †graduate or ‡undergraduate student co-authors.***

1. Cope†, V., A. Dale, P. J. Bohlen, J. Qiu and B. Iannone. 2023. Impacts of native plant-dominated landscaping approaches on arthropod food webs in new residential developments. Entomological Society of America Annual Meeting, National Harbor, MD, Nov. 7. Poster.
2. Pandolfi†, A., D. G. Jenkins and P. J. Bohlen. 2023. Promoting ground-dwelling insects through sustainable practices in suburban landscapes. Entomological Society of America Annual Meeting, National Harbor, MD, Nov. 6. Oral. (First place award for graduate

- student presentation in the Systematics, Evolution and Biodiversity: Conservation section).
3. Cope<sup>†</sup>, V., A. Dale, P. J. Bohlen, Iannone, B. and J. Qiu. 2023. Impacts of native plant-dominated landscaping approaches on arthropod food webs in new residential developments. Entomological Society of America Annual Meeting, National Harbor, MD, Nov. 5. Oral.
  4. Bohlen, P. J., M. Hagaman<sup>†</sup>, R. Pitilón<sup>‡</sup>, M. Burdett<sup>‡</sup> and A. Pandolfi<sup>†</sup>. 2023. Compost addition greatly increases the number of flowers and pollinators in suburban native plant landscapes. Ecological Society of American Annual Meeting, Portland, OR. Aug. 9. Poster.
  5. Guo, Y., E. H. Boughton, P. J. Bohlen, L. Chambers, J. Fauth, D. G. Jenkins, P. F. Quintana-Ascencio, G. Sonnier and J. Qiu. 2023. Agricultural management alters wetland multifunctionality in a subtropical agroecosystem. Ecological Society of America Annual Meeting, Portland, OR. Aug. 9. Oral.
  6. McNamara<sup>‡</sup>, J., M. Hagaman<sup>†</sup>, F. Borghesi and P. Bohlen. 2023. If you plant it, will they come?: Attracting pollinators in suburban landscapes. Summer Poster Showcase, UCF Office of Undergraduate Research, Orlando Florida. July 21. Poster.
  7. Reeve<sup>‡</sup>, Y. and P. Bohlen. 2023. How sweet it is: enhancing nectar production in native plants for urban landscapes. Summer Poster Showcase, UCF Office of Undergraduate Research, Orlando Florida. July 21. Poster.
  8. Moffis<sup>†</sup>, B., Jones, P., Kipp, J., Bohlen, P. Strickland, J. and Iannone, B. 2023. Educating Industry Partners on Implementing Sustainable Landscaping Practices. UF/IFAS Central District Symposium, Bunnell, FL. April 20. Poster.
  9. Moffis<sup>†</sup>, B., R. Pitilón<sup>‡</sup>, A. Pandolfi<sup>†</sup>, M. Burdett<sup>‡</sup>, P. Bohlen and B. Iannone. 2023. Ecology in Florida's expanding residential landscapes: quantifying approaches and attitudes. University of Florida School of Natural Resources and Environment's Annual Symposium. Virtual, Gainesville, FL. April 5, Oral.
  10. Reeve<sup>‡</sup>, Y. and P. Bohlen. 2023. How sweet it is: enhancing nectar production in native plants for urban landscapes. UCF Student Scholar Symposium, Orlando FL, Mar 27, Poster.
  11. Burdett<sup>‡</sup>, M., M. Hagaman<sup>†</sup>, R. Pitilón<sup>‡</sup>, A. Pandolfi<sup>†</sup> and P. Bohlen. 2023. Flower power: using native plants to enhance pollinator habitat in suburban developments. UCF Student Scholar Symposium, Orlando FL, Mar 27, Poster.
  12. Pitilón<sup>‡</sup>, R., A. Pandolfi<sup>†</sup>, M. Burdett<sup>‡</sup> and P. Bohlen. 2022. Indirect effects of compost on pollinators in suburban native plant landscapes. Summer Poster Showcase, UCF Office of Undergraduate Research, Orlando Florida. July 21. Poster.
  13. Iannone III, B. V., B. L. Moffis<sup>†</sup>, P. J. Bohlen, M. J. Kipp and P. Jones. 2022. Reconciliation ecology in expanding residential landscapes: a case study from nontraditional urban Extension. Annual Meeting of the Association of Natural Resource Extension Professionals, Kalamazoo, MI. June 1, Oral.
  14. Piper<sup>‡</sup>, T. and P. Bohlen. 2022. Hygienic behavior and varroa mite infestation in the honey bee, *Apis mellifera*. UCF Student Scholar Symposium, Orlando, FL, March 31. Poster.
  15. Ibarra<sup>‡</sup>, Caroline and P. Bohlen. 2022. A comparative study of pollinator populations in urban and natural landscapes. UCF Student Scholar Symposium, Orlando, FL, March 31. Poster
  16. Gregory<sup>‡</sup>, A. and P. Bohlen. 2022. Honey bee foraging: seasonal and time of day determine amount and diversity of pollen. UCF Student Scholar Symposium, Orlando, FL, March 31. Poster.

17. Bohlen, P. J., J. A. Elliott, R. Jarrett, A. Lindsay, J. Guziejka and B. Saulsbury. 2021. Prescribed fire at the wildland-urban interface: success through collaboration in Florida pine flatwoods. 2021 Annual Meeting of the Ecological Society of America, virtual, Aug 2. Oral.
18. Hite, C., T. Sallin, P. Bohlen and P. Cox. 2021. OUTSIDE: A landscape sustainability initiative to bridge the gap across disciplines. American Society of Landscape Architects Florida Annual Conference, Tampa, FL, July 15. Oral.
19. Sherer<sup>†</sup>, D. L., P. J. Bohlen and R. Bowman. 2019. Natal territory conditions predict habitat preference along a fire-history gradient during pre-dispersal forays by juvenile Florida Scrub-Jays. Association of Field Ornithologists/Wilson Ornithological Society, Cape May, NJ, Oct 28. Oral.
20. Sherer<sup>†</sup>, D. L., P. J. Bohlen and R. Bowman. 2019. A burning question: does personality predict how pre-breeding Florida Scrub-Jays explore habitat in a fire-history mosaic? American Ornithological Society Conference, Anchorage, AK, Jun. 24-28.
21. Sherer<sup>†</sup>, D. L., P. J. Bohlen and R. Bowman. 2019. Meet your match: correlates of habitat preference by juvenile Florida Scrub-Jays during pre-dispersal forays. UCF Graduate Research Forum, Orlando, FL, Apr. 5. Exemplary Oral Presentation Award.
22. Malay<sup>‡</sup>, A. and P. Bohlen. 2019. Assessing honey bee (*Apis mellifera*) foraging behavior using olfactory conditioning. UCF Showcase for Undergraduate Research Excellence, Orlando, FL, Apr. 4. Poster.
23. De Cuba<sup>‡</sup>, E. and P. Bohlen. 2019. Sublethal effects of herbicide, glufosinate-ammonium on non-target plant, *Bidens alba*. UCF Showcase for Undergraduate Research Excellence, Orlando, FL, Apr. 4. Poster.
24. Bohlen, P. J. and Y. Raymond<sup>‡</sup>. 2018. Are urban landscapes a buzz kill? Pollinator habitat and diversity on a large metropolitan campus. Ecological Society of American Annual Meeting, New Orleans, LA, Aug. 6. Poster.
25. Raymond<sup>‡</sup>, Y. and P. Bohlen. 2018. A comparative study of bee diversity in urban landscapes. UCF Showcase for Undergraduate Research Excellence, Orlando, FL, Apr. 5. Poster. Research Excellence Award.
26. Jowais<sup>‡</sup>, J., C. Mason and P. Bohlen. 2018. Comparison of induced secondary metabolite response and resistance to *Alternaria alternata* across the genus *Helianthus*. UCF Showcase for Undergraduate Research Excellence, Orlando, FL, Apr. 5. Poster.
27. Huber<sup>†</sup>, A. and P. J. Bohlen. 2017. Mucking about: hydrologic regime and soil carbon storage in restored subtropical wetlands. Society of Wetland Scientists Annual Meeting, San Juan, Puerto, Jun 6. Poster.
28. Raymond<sup>‡</sup>, Y. and P. Bohlen. 2017. Urbanization is a buzz kill: Urban environments on bee species activity and diversity. UCF Showcase for Undergraduate Research Excellence, Orlando, FL, Apr. 5. Poster. Research Excellence Award.
29. Faehn<sup>‡</sup>, C. and P. Bohlen. 2017. *Pomacea insularum* invasion of urban stormwater ponds on UCF Campus and its effects on aquatic plant species abundance and composition. UCF Showcase for Undergraduate Research Excellence, Orlando, FL, Apr. 5. Poster.
30. Elliott, J. and P. J. Bohlen. 2016. Leveraging campus natural areas for urban ecology research, education, and management. The 2016 American Association of Sustainability in Higher Education Conference and Expo, Baltimore, MD, Oct. 10. Poster.
31. Huber<sup>†</sup>, A. and P. J. Bohlen. 2016. Hydrologic regime and soil carbon in restored subtropical wetlands. 101st Annual Meeting of the Ecological Society of America, Fort

- Lauderdale, FL, Aug. 10. Poster.
32. Sandoval<sup>‡</sup>, J. and P. Bohlen. 2016. Large roosting bat colony in urban stormwater pipe increases runoff phosphorus concentration but has minimal impact on overall nutrient runoff. UCF Showcase for Undergraduate Research Excellence, Orlando, FL, April 3. Poster. Research Excellence Award.
  33. Faehn<sup>‡</sup>, C. and P. Bohlen. 2016. Effects of invasive apple snail (*Pomacea insularum*) on aquatic vegetation. UCF Showcase for Undergraduate Research Excellence, Orlando, FL, April 3.
  34. Bernard, A. B., J. A. Elliott, and P. J. Bohlen. 2015. College campus natural areas as living laboratories for teaching and research. 100th Annual Meeting of the Ecological Society of America, Baltimore, MD, Aug. 12. Poster.
  35. Skovira<sup>†</sup>, L. M. and P. J. Bohlen. 2015. Distribution of stormwater ponds in relation to land use in a suburban watershed. 100th Annual Meeting of the Ecological Society of America, Baltimore, MD, Aug. 12. Poster.
  36. Huber<sup>†</sup>, A. and P. J. Bohlen. 2015. Relationship between water elevation and organic soil depth in restored subtropical wetlands. 100th Annual Meeting of the Ecological Society of America, Baltimore, MD, Aug. 10. Poster.
  37. Paduani<sup>‡</sup>, M. and P. Bohlen. 2015. How “natural” are shoreline plant communities in constructed stormwater ponds? UCF Showcase for Undergraduate Research Excellence, Orlando, FL, Apr. 3. Poster.
  38. Listopad, C., L. Souto and P. Bohlen. 2014. Report on evaluating stormwater quality in residential neighborhoods in the Tampa Bay Region. Florida Stormwater Association Winter Conference, Orlando, FL, Dec. 11. Oral.
  39. Zimmerman<sup>‡</sup>, M. and P. Bohlen. 2014. Landscape factor influencing sandhill crane occurrence in a mixed-use urban landscape. UCF Showcase for Undergraduate Research Excellence, Orlando, FL, Apr. 2. Poster.
  40. Engel<sup>†</sup>, A., S. Shukla, H. Swain, E. Boughton, G. Kiker, P. J. Bohlen, D. Jenkins, J. Fauth, P. Quintana-Ascencio and G. Hendricks. 2014. Hydroecological modeling for predicting responses to hydrologic changes in a payment-for-environmental-services program on Florida ranchlands. 4th University of Florida Water Institute Symposium, Gainesville, FL, Feb. 12. Oral.
  41. Shukla, S., G. Hendricks, A. Guhza and P. Bohlen. 2014. Quantification of water storage and treatment services in a payment-for-environmental-services program in Florida. 4th University of Florida Water Institute Symposium, Gainesville, FL, Feb. 12. Oral.
  42. Kiker, G., A. Engel, S. Shukla, H. Swain, P. Bohlen, E. Boughton, J. Fauth, D. Jenkins and P. Quintana-Ascencio. 2014. Development of a decision-support system for multi-criteria analysis of ecosystem services. 4th University of Florida Water Institute Symposium, Gainesville, FL, Feb. 12. Oral.
  43. Swain, H., P. Bohlen, E. Boughton, J. Fauth, D. Jenkins, G. Kiker, P. Quintana-Ascencio and S. Shukla. 2014. Payments for ecosystem services in Florida ranchlands: overview of hydro-ecological trade-offs. 4th University of Florida Water Institute Symposium, Gainesville, FL, Feb. 12. Oral.
  44. Bohlen, P. J., E. Boughton, P. Quintana-Ascencio, J. Fauth, D. Jenkins, H. Swain, S. Shukla and G. Kiker. 2014. Trade-offs between hydrologic changes and ecological taxa in a payment-for-environmental-services program on Florida ranchlands. 4th University of Florida Water Institute Symposium, Gainesville, FL, Feb. 12. Oral.

45. Keel, E. W., P. J. Bohlen, E. H. Boughton, R. K. Boughton and K. Ewing. 2014. Long-term monitoring at the MacArthur Agro-ecology Research Center. 67th Annual International Meeting, Society for Range Management, Orlando, FL, Feb. 13. Poster.
46. Boughton, E. H., P. J. Bohlen, A. Engel, J. Fauth, G. Hendricks, D. Jenkins, G. Kiker P. Quintana-Ascencio, S. Shukla and H. Swain. 2014. Assessing trade-offs among ecosystem services in a payment-for-water services program on Florida ranchlands. 67th Annual International Meeting, Society for Range Management, Orlando, FL, Feb. 13. Poster.
47. Maki<sup>†</sup>, J. H., E. H. Boughton and P. J. Bohlen. 2013. Examining long-term experimental manipulation of season of burn and nutrient addition on productivity and soil characteristics in subtropical grasslands. 2013 International Annual Meeting, American Society of Agronomy, Soil Science Society of America, Tampa, FL, Nov. 6. Poster.
48. Groffman, P. M., H. A. Ewing, T. J. Fahey, P. J. Bohlen, M. C. Fisk and J. C. Maerz. 2013. Earthworms and nitrogen retention in northern hardwood forests. 98th Annual Meeting of the Ecological Society of America, Minneapolis, MN, Aug. 7. Oral.
49. Maerz, J. C., T. J. Fahey, M. C. Fisk, P. M. Groffman, P. J. Bohlen, J. B. Yavitt, J. L. DeVore and J. R. Milanovich. 2013. A salamander perspective on earthworm invasions of north temperate forest ecosystems. 98th Annual Meeting of the Ecological Society of America, Minneapolis, MN, Aug. 7. Oral.
50. Cat<sup>‡</sup>, L. A. and P. Bohlen. 2013. Invasive apple snails (*Pomacea insularum*) reduce aquatic plant cover and increase water nutrient concentrations at high density. UCF Showcase for Undergraduate Research Excellence, Orlando, FL, Apr. 5. Poster.
51. Bohlen, P. J., S. Shukla, S. Lynch, L. Shabman, H. Swain, B. Whalen and E. Boughton. 2012. Show me the service: scientific trade-offs in documenting the services in a payment for environmental services program. ACES Ecosystem Markets 2012 Conference. Ft. Lauderdale, FL, Dec. 11. Oral.
52. Boughton, E. P. Bohlen, M. Clark, S. Shukla and H. Swain. 2012. Research to refine the design of PES programs in Florida ranchlands: shifts in vegetative communities. ACES Ecosystem Markets 2012 Conference. Ft. Lauderdale, FL, Dec. 11. Oral.
53. Clark, M., P. Bohlen, S. Shukla, S. Lynch, L. Shabman, H. Swain and E. Boughton. 2012. Evaluating soil phosphorus retention and release potential on lands receiving payment for environmental services. ACES Ecosystem Markets 2012 Conference. Ft. Lauderdale, FL, Dec. 11. Oral.
54. Shukla, S. G. Hendricks, J. Knowles, A. Guzha, P. Bohlen, M. Clark, L. Shabman, S. Lynch, H. Swain, and E. Boughton. 2012. Water and nutrient retention from a PES program in Florida Ranchlands. ACES Ecosystem Markets 2012 Conference. Ft. Lauderdale, FL, Dec. 11. Oral.
55. Bohlen, P. J., E. Boughton, J. E. Fauth, D. Jenkins, Pedro Quintana-Ascencio, Sanjay Shukla and Hilary Swain. 2012. Assessing trade-offs among ecosystem services in a payment-for-water services program on Florida ranchlands. Symposium at 9th INTECOL International Wetlands Conference. Orlando, FL, June 5. Oral.
56. Boughton, E. H., P. F. Quintana-Ascencio, P.J. Bohlen and H. Swain. 2011. Assessing trade-offs among ecosystem services in a payment-for-water services program on Florida ranchlands. 96th Annual Meeting of the Ecological Society of America, Austin, TX, Aug. 10. Poster.
57. Medley, K. A., E. H. Boughton, D. G. Jenkins, P. J. Bohlen, P. F. Quintana-Ascencio and J. E. Fauth. 2010. Residual effects of land management on wetland communities in an



- agricultural landscape. 96th Annual Meeting of the Ecological Society of America, Austin, TX, August 3. Oral.
58. Guzha, A., S. Shukla, P. Bohlen, M. Clark and S. Lynch. 2010. Providing environmental services from an agricultural impoundment in south Florida. Sustainable Water Resources: Complex challenges, integrated solutions. 2nd University of Florida Water Institute Symposium, Gainesville, FL. Feb. 24. Poster.
  59. Bohlen, P. J., S. Lynch, L. Shabman, S. Shukla and M. Clark. 2009. Producing ecosystem services on agricultural land: from concept to commodity. Annual Meeting of the ASA-SSSA-CSSA, Pittsburgh, PA, Nov. 4. Oral.
  60. Bohlen, P. J., S. Shukla and A. Guzha. 2009. Potential for private ranches to provide water-related ecosystem services in the Northern Everglades. 94th Annual Meeting of the Ecological Society of America, Albuquerque, NM, August 5. Oral.
  61. Boughton, E. H., P. F. Quintana-Ascencio and P. J. Bohlen. 2009. Functional diversity, species-specific responses, and grazing pressure: the effect of *Juncus effusus* in grazed subtropical wetlands. 94th Annual Meeting of the Ecological Society of America, Albuquerque, NM, August 5. Oral (by P. Bohlen).
  62. Shukla, S., L. Shabman, A. Guzha, P. Bohlen, M. Clark and S. Lynch. 2009. Environmental service measurement alternatives: an example from the Florida ranchlands project. Ninth Annual Meeting of the American Ecological Engineering Society, Corvallis, OR, June 24. Oral.
  63. Shukla, S., A. Guzha, and P. Bohlen. 2009. Providing phosphorus treatment and water retention services in Florida's ranchland: an example. Annual Conference of the Florida Section of the American Society of Agricultural and Biological Engineers, Daytona Beach, FL, June 11. Poster.
  64. Swain, H. M. and P. J. Bohlen. 2009. Poised on the edge of sustainability; tales from a Florida cattle ranch. American Institute of Biological Sciences Annual Meeting, Washington, DC, May 18. Poster.
  65. Bohlen, P. J. 2009. Pasture water management for reduced phosphorus loading in the Lake Okeechobee watershed. Presentation of final results to the Northern Everglades Everglades Interagency Meeting, Okeechobee Service Center, South Florida Water Management District, Okeechobee, FL, May 12. Oral.
  66. Bohlen, P. J. and S. Lynch. 2008. Saving the Everglades the cowboy way: paying ranchers to produce environmental services. A Conference on Ecosystem Services, 2008: Using Science for Decision Making in Dynamic Systems. Naples, FL, Dec. 9. Oral. Book of abstracts, p. 13.
  67. Medley, K. A., E. H. Boughton, D. G. Jenkins, P. Quintana-Ascencio, J. E. Fauth, and P. J. Bohlen. 2008. Wetland insect communities in an agricultural landscape: influence of historical and contemporary nutrient enrichment and vegetation structure. Ecological Society of American Annual Meeting, Milwaukee, WI, Aug. 7. Poster.
  68. Boughton, E. H., P. F. Quintana-Ascencio, and P. J. Bohlen. 2008. Context-dependent effects of *Juncus effusus* on survival and growth of native and exotic plants in Florida grazed wetlands. Ecological Society of American Annual Meeting, Milwaukee, WI, Aug. 6. Oral.
  69. Boughton, E., P. Quintana-Ascencio, P. Bohlen, J. Fauth, and D. Jenkins. 2008. Pasture management on Florida ranchland affects the conservation value of wetland plant assemblages. Society for Conservation Biology Annual Meeting, Chattanooga, TN, July 14.

- Poster. Meeting abstracts, p. 142.
70. Bohlen, P. J., and E. T. Schuur. 2007. Carbon storage and turnover in subtropical grasslands converted from hardwood swamps. Soil Science Society of America Annual Meeting, New Orleans, LA, Nov. 5. Oral.
  71. Bohlen, P. J., M. Clark and S. Shukla. 2007. Challenges to quantifying the environmental benefits of conservation practices: an example from Florida ranchlands. Soil and Water Conservation Society Annual Meeting, Tampa, FL, July 24. Oral. Final program and abstract book, p. 126.
  72. Lynch, S, and P. J. Bohlen. 2007. Designing a market-based program for enhancing environmental services on Florida ranchlands. Soil and Water Conservation Society 2007 Annual Conference, Tampa, FL, July 23. Oral. Final program and abstract book, p. 52.
  73. Jagannathan S, G. A. Kiker, P. Bohlen, and H. Swain. 2007. Development of a management focused, spatial decision support tool to simulate water resource effects of climate forecasting, within southern Florida beef cattle agro-ecosystems. Florida Section, American Society of Agricultural and Biological Engineers Annual Meeting. St. Pete Beach, FL, May 30. Poster.
  74. Bohlen, P. J. 2006. Pasture water management for reduced P loading in the Lake Okeechobee watershed. Soil Science Society of America Annual Meeting, Indianapolis, IN, Nov. 14. Oral.
  75. Boughton, E., P. Quintana-Ascencio, P. J. Bohlen and D. Jenkins. 2006. Wetland plant assemblages across an agricultural disturbance gradient in central Florida. Ecological Society of America Annual Meeting. Memphis, TN, Aug. 9. Poster.
  76. Zhang, J. J. G. Hiscock, A. B. Bottcher, B. Jacobson, P. J. Bohlen. 2006. Evaluating phosphorus load reductions of agricultural water management practices using Watershed Assessment Model. American Society of Agricultural Engineers Annual Meeting. Portland, OR, July 10. Poster.
  77. Peterson, A. and P. J. Bohlen. 2005. Plant growth form alters the formation, turnover, and nutrient dynamics of fire ant mounds in subtropical grasslands. Ecological Society of America Annual Meeting. Montreal, Canada, Aug. 10. Oral.
  78. Bohlen, P. J. 2005. How green is my pasture: Providing ecosystem services on cattle ranches in the Lake Okeechobee watershed. Ecological Society of America Annual Meeting. Montreal, Canada, Aug. 11. Oral.
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