

**BASIL V IANNONE III, Ph.D.**

School of Forest Resources and Conservation  
 University of Florida  
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**RESEARCH OVERVIEW**

My research and extension programs broadly focus on the ecology of human-dominated, residential landscapes. Within this context, I am interested in spatial ecology, biological invasions, ecological restoration, and in how to design future developments so that they exhibit similar levels of ecological functionality as more natural ecosystems. My research projects are interdisciplinary and employ a wide range of geospatial and statistical tools, as well as observational, experimental, and modeling approaches.

**EDUCATION**

- 2013      Ph.D. Ecology and Evolution Program, Biological Sciences. University of Illinois at Chicago (UIC)  
Dissertation: Utilizing multiple approaches to understand the ecology of *Rhamnus cathartica* L. invasion and management.  
Co-Advisors: Dr. David H. Wise (UIC) and Dr. Liam Heneghan (Dept. Environmental Science and Studies, DePaul University).
- 2007      M.S. Ecology, Evolution, and Behavior. University of Minnesota  
Thesis: Evaluation of resource-limiting strategies intended to facilitate sedge meadow restorations by preventing *Phalaris arundinacea* L. invasion.  
Advisor: Dr. Susan M. Galatowitsch.
- 2001 – 2003      Pre-M.S. coursework. Dept. of Fisheries and Wildlife Biology, Colorado State University; and Dept. of Science, Front Range Community College
- 1993      B.M. Music Performance. West Chester University

**PEER-REVIEWED PUBLICATIONS**

Guo, Q., S. Fei, Z. Shen, **B. V., III, Iannone**, J. Knott\*, and S. Chown. (*In press*). A global analysis of elevational distribution of nonnative versus native plants. *Journal of Biogeography*. <https://doi.org/10.1111/jbi.13145>

- Riitters, K., K. Potter, **B.V., III, Iannone**, C. Oswalt, S. Fei, and Q. Guo. (2018; Editors Choice). Landscape correlates of forest plant invasions: a high-resolution analysis across the eastern United States. *Diversity and Distributions* 24:274-284. <https://onlinelibrary.wiley.com/doi/full/10.1111/ddi.12680>
- Clark, T., **B. V., III, Iannone**, and S. Fei. (*In press*). Measuring macroscale invasion and dispersal patterns in the eastern US. *Journal of Plant Ecology* 1:64-72. <https://doi.org/10.1093/jpe/rtw136>
- Guo, Q., **B. V., III, Iannone**, G. C. Nunez-Mir, K. M. Potter, C. M. Oswalt, and S. Fei. 2017. Species pool, human population, and global versus regional invasion patterns. *Landscape Ecology* 32:229-238. <http://link.springer.com/article/10.1007/s10980-016-0475-6>
- Nunez-Mir, G. C., J. M. Desprez, **B. V., III, Iannone**, T. Clark, and S. Fei. 2017. An automated content analysis of forestry research: are socioecological challenges being addressed? *Journal of Forestry* 115:1-9. <http://www.ingentaconnect.com/content/saf/jof/pre-prints/content-jof15144>
- Nunez-Mir, G. C., **B. V., III, Iannone**, B. Pijanowski, N. Kong, and S. Fei. 2016. Automated content analysis: addressing the big literature challenge in ecology and evolution. *Methods in Ecology and Evolution* 7:1262-1272. <http://onlinelibrary.wiley.com/doi/10.1111/2041-210X.12602/full>
- Iannone, B. V. III**, K. M. Potter, C. M. Oswalt, Q. Guo, A. M. Liebhold, B. C. Pijanowski, and S. Fei. (2016). Invasion hotspots: a trait-based perspective reveals new insights into macroscale patterns. *Ecography* 39:961-969. <http://onlinelibrary.wiley.com/doi/10.1111/ecog.01973/abstract>
- Iannone, B. V. III**, K. M. Potter, K. Dixon Hamil, W. Huang, H. Zhang, Q. Guo, C. M. Oswalt, C. W. Woodall, and S. Fei. 2016. Evidence of biotic resistance to invasions in forests of the Eastern USA. *Landscape Ecology* 31:85-99. <http://link.springer.com/article/10.1007/s10980-015-0280-7>
- Potter, K. M., F. H. Koch, C. M. Oswalt, and **B. V., III, Iannone**. 2016. Data, data everywhere: detecting spatial patterns in fine-scale ecological information collected across a continent. *Landscape Ecology* 31:67-84. <http://link.springer.com/article/10.1007/s10980-015-0295-0>
- Dixon Hamil, K. A., **B. V., III, Iannone**, W. K. Huang, S. Fei, and H. Zhang. 2016. Cross-scale contradictions in ecological relationships. *Landscape Ecology* 31:7-18. <http://link.springer.com/article/10.1007/s10980-015-0288-z>
- Iannone, B. V. III**, C. M. Oswalt, A. M. Liebhold, Q. Guo, K. M. Potter, G. C. Nunez-Mir, S. N. Oswalt, B. C. Pijanowski, and S. Fei. 2015. Region-specific pattern and drivers of macroscale forest plant invasions. *Diversity and Distributions* 21:1181-1192. <http://onlinelibrary.wiley.com/doi/10.1111/ddi.12354/full>

- Nunez-Mir, G. C., **B. V., III, Iannone**, K. Curtis, and S. Fei. 2015. Evaluating the evolution of forest restoration research in a changing world: a "big literature" review. *New Forests* 46:669-682. <http://link.springer.com/article/10.1007/s11056-015-9503-7>
- Guo, Q., S. Fei, J. S. Dukes, C. M. Oswalt, **B. V., III, Iannone**, and K. M. Potter. 2015. A unified approach to quantify invasibility and degree of invasion. *Ecology* 96:2613-2621. <http://www.esajournals.org/doi/abs/10.1890/14-2172.1>
- Oswalt, C., S. Fei, Q. Guo, **B. V., III, Iannone**, S. Oswalt, B. Pijanowski, and K. Potter. 2015. A subcontinental view of forest plant invasions using national inventory data. *NeoBiota* 24:49-51. <http://neobiota.pensoft.net/articles.php?id=4526>
- Iannone, B. V., III**, L. Heneghan, D. Rijal, and D. H. Wise. 2015. Below-ground causes and consequences of woodland shrub invasions: a novel paired-point framework reveals new insights. *Journal of Applied Ecology* 52:78-88. <http://onlinelibrary.wiley.com/doi/10.1111/1365-2664.12354/abstract>
- Desprez, J., **B. V., III, Iannone**, P. Yang, and S. Fei. 2014. Northward migration under a changing climate: a case study of blackgum (*Nyssa sylvatica*). *Climatic Change* 126:151-162. <http://link.springer.com/article/10.1007/s10584-014-1207-z>
- Iannone, B. V., III**, M. L. Zellner, and D. H. Wise. 2014. Modeling the impacts of life-history traits, canopy gaps, and establishment location on woodland shrub invasions. *Ecological Applications* 24:467-483. <http://www.esajournals.org/doi/abs/10.1890/13-0833.1>
- Iannone, B. V., III**, L. G. Umek, L. Heneghan, and D. H. Wise. 2013. Amending soil with mulched European buckthorn (*Rhamnus cathartica*) does not reduce reinvasion. *Ecological Restoration* 31:264-273. <http://er.uwpress.org/content/31/3/264.short>
- Iannone, B. V., III**, L. G. Umek, D. H. Wise, and L. Heneghan. 2012. A simple, safe, and effective sampling technique for investigating earthworm communities in woodland soils: implications for citizen science. *Natural Areas Journal* 32:283-292. <http://www.bioone.org/doi/abs/10.3375/043.032.0305>
- Iannone, B. V., III**, C. J. Rosen, and S. M. Galatowitsch. 2009. Soil nitrogen concentrations in a restored sedge meadow wetland as affected by the application of high C:N amendments. *Ecological Restoration* 27:193-199. <http://er.uwpress.org/content/27/2/193.short>
- Iannone, B. V., III**, S. M. Galatowitsch, and C. J. Rosen. 2008. Evaluation of resource-limiting strategies intended to prevent *Phalaris arundinacea* invasions in restored sedge meadows. *Ecoscience* 15:508-518. <http://www.bioone.org/doi/abs/10.2980/15-4-3190>
- Iannone, B. V., III**, and S. M. Galatowitsch. 2008. Altering light and soil N to limit *Phalaris arundinacea* reinvasion in sedge meadow restorations. *Restoration Ecology* 16:689-701. <http://onlinelibrary.wiley.com/doi/10.1111/j.1526-100X.2008.00481.x/full>

**Iannone, B. V., III**, and S. M. Galatowitsch. 2008. *Wet Meadow Revegetation Following Invasive Plant Control*. Minnesota Dept. of Transportation Research Service Division, St. Paul, MN. <http://conservancy.umn.edu/handle/11299/151676>

### NON-PEER-REVIEWED PUBLICATIONS

Hagan, D. C. Dobbs, F. Escobedo, W. Zipperer, **B. V., III, Iannone**, and Z. Szantoi. *Urban Soils in Gainesville, Florida, and Their Implications for Environmental Quality and Management*. UF/IFAS EDIS Publication.

Escobedo, F., J. Klein, M. Pace, H. Mayer, **B. V., III, Iannone**, and S. Varela. *Miami-Dade County's Urban Forests and Their Ecosystem Services*. UF/IFAS EDIS Publication.

### ACADEMIC AND RESEARCH APPOINTMENTS

- 2016--Present Assistant Professor. University of Florida, Dept. of Forestry and Resource Conservation, Program for Resource Efficient Communities, and Center for Landscape Conservation and Ecology.
- 2013--2016 Postdoctoral Research Fellow. Purdue University, Dept. of Forestry and Natural Resources, Purdue University.
- 2013 Research Associate. the Field Museum; U.S. Forest Service Northern Research Station; Dept. of Biological Sciences, University of Illinois at Chicago; and Dept. of Environmental Sciences and Studies, DePaul University.
- 2011--2012 Dean's Scholar. The Graduate College of the University of Illinois at Chicago.
- 2011--2012 Fellow of the Institute for Environmental Science and Policy (IESP). University of Illinois at Chicago.
- 2010 Research Assistant. University of Illinois at Chicago, Dept. of Biological Sciences.
- 2007--2009 NSF IGERT Fellow in the LEAP (Landscape, Ecological, and Anthropogenic Processes) Program. University of Illinois at Chicago.
- 2004--2006 Research Assistant. Dept. of Ecology, Evolution, and Behavior, University of Minnesota, Twin Cities.
- 2002 & 2004 Biological Technician. U.S. Geological Survey, Center for Disease Control, and Colorado State University.
- 2003 Biological Technician. Dept. of Fish and Wildlife Resources, University of Idaho.

- 2002–2003 Work Study. Stream Ecology Lab, Colorado State University.
- 2001 Work Study. Colorado Cooperative Fish and Wildlife Research Unit, Colorado State University.
- 2000 & 2001 Biological Technician. Colorado Division of Wildlife.

### AWARDS AND HONORS

- 2016 NASA-MSU Professional Enhancement Award. Center for Systems Integration and Sustainability, Michigan State University.
- 2014 Award for 2<sup>nd</sup> Place in Graduate and Post-Doctoral Poster Competition. GIS Day at Purdue University.
- 2011 Award for Excellence in Undergraduate Research Mentorship. Dept. of Biological Sciences, University of Illinois at Chicago.
- 2011–2012 Dean's Scholar. The Graduate College of the University of Illinois at Chicago.
- 2011–2012 Fellow of the Institute for Environmental Science and Policy (IESP). University of Illinois at Chicago.
- 2011 Award for Best Student Presentation. 3<sup>rd</sup> Annual Meeting of the Midwest-Great Lakes Chapter of the Society for Ecological Restoration International.
- 2007–2009 NSF IGERT Fellow in the LEAP (Landscape, Ecological, and Anthropogenic Processes) Program. University of Illinois at Chicago.

### RESEARCH GRANTS, FELLOWSHIPS, AND SCHOLARSHIPS

- 2017 UF/IFAS Experimental Research Station. *Area stormwater ponds invasion vectors? Assessing the effects of an abundant engineered ecosystem on plant invasions across multiple spatial scales*. **Iannone, B.V., III**, Adams, C., Bean, E., Reisinger, A. J. (\$97,000)
- 2017 UF/IFAS Experimental Research Station. *The impacts of plant invasion on plant-microbial symbiotic efficiency, mycorrhizal-driven nutrient cycling and forest ecosystem services*. Liao, H. L., Flory, L., Qiu, J., **Iannone, B.V., III** (\$62,000)
- 2017 Florida Nursery Growers and Landscaping Association. *Planting stormwater ponds: determining the benefits and best management practices for ornamental plants in an under-utilized portion of residential landscapes*. **Iannone, B. V., III.**, Atkison, M., Lusk, M., Bean, E., and Monaghan, P. (\$5,000)

- 2017 Renewable Resources Extension Funding through the University of Florida, School of Forest Resources and Conservation. *Developing a Sustainable Human and Ecological Development (SHED) Web Portal.* **Iannone B. V., III.**, Barrera, J., Bean, E., Jones, P., Searcy, J. K., and Reisinger, A. J. (\$5,400).
- 2017 Center for Landscape Ecology and Conservation Program Enhancement Funding. *Developing a living lab to inform water conservation practices in residential landscapes.* Iannone, B. V., III, Barrera, J., Bean, E. Z., Jones, P., Kipp Searcy, J., and Kolluri, L. (\$42,000)
- 2016 University of Florida IFAS 2017 Early Career Scientist Seed Funding Program. *The effects of turf grass diversity on arthropod pests and biological control in urban landscapes.* A. Dale, **Iannone, B. V., III**, M. D. Dukes, and E. Momol. (\$50,000).
- 2016 University of Florida IFAS 2017 Early Career Scientist Seed Funding Program. *Evaluating the contribution of biotic complexity to pest control in ornamental plant communities.* **Iannone, B. V., III**, A. Dale, M. D. Dukes, and E. Momol. (\$50,000).
- 2016 Renewable Resources Extension Funding through the University of Florida, School of Forest Resources and Conservation. *Costs of managing conservation lands within residential developments.* **Iannone, B. V., III.** (\$3,450).
- 2016 NASA-MSU Professional Enhancement Award. Center for Systems Integration and Sustainability, Michigan State University (\$860 in travel funds to attend Telecoupling symposium and workshops at the US International Association for Landscape Ecology Conference, Asheville, NC).
- 2013 Research Open Access Article Publishing (ROAAP) Fund. University of Illinois at Chicago (\$1,500).
- 2012 ESA Student Travel Award. Awarded by the Soil Ecology Section of the Ecological Society of America (\$400).
- 2012 Dept. of Biological Sciences Travel Award. Two-time recipient. University of Illinois at Chicago (\$600 per award).
- 2011 Dean's Scholar Award. Awarded by the Graduate College of the University of Illinois at Chicago (\$20,000 stipend; \$11,000 tuition waiver).
- 2011 Pre-doctoral Research Fellowship. Institute for Environmental Science and Policy, University of Illinois at Chicago (\$10,000).
- 2011 Garden Club of America Zone VI Fellowship in Urban Forestry. Funded by the Casey Tree Endowment Fund (\$4,000).

- 2011 & 2006 J.E. Weaver Competitive Grant. Two-time recipient. Funded by the Nebraska Chapter of The Nature Conservancy (\$1,000 per award).
- 2010 Elmore Hadley Award for Research in Ecology and Evolution. Dept. of Biological Science, University of Illinois at Chicago (\$900).
- 2007–2009 NSF IGERT Fellowship. Landscape, Ecological, and Anthropogenic Processes, University of Chicago (\$30,000 stipend and \$11,000 tuition waiver for 2 years; \$8,000 in research funds; \$4,000 in travel funds).
- 2006 Ecology, Evolution, and Behavior Block Grant. Administered through the Dept. of Ecology, Evolution, and Behavior, University of Minnesota (\$1,250).
- 2006 Florence Rothman Fellowship. Administered through the College of Biological Sciences, University of Minnesota, Minneapolis, MN (\$1,000).
- 2005 Dayton-Wilkie Natural History Fund. Administered through the Bell Museum of Natural History, Minneapolis, MN (\$1,000).
- 2002 College of Natural Resources Scholarship. Administered through the College of Natural Resources, Colorado State University, Fort Collins, CO (\$1,200).
- 2002 Delano F. Scott Scholarship. Administered through the College of Natural Resources, Colorado State University, Fort Collins, CO (\$1,200).

## RESEARCH MENTORING

### Postdoctoral Research Associates

Dr. James Sinclair

### Graduate Students

Gisele Nighswander (MS)

Kayla Hess (MS)

### Committee member

Mohamad Ridlo, (MS) (Wendell Cropper, Advisor)

Josh Epstein, (Ph.D.) (Matt Cohen, Advisor)

Debra Stone, (Ph.D.) (Michael Andreu, Advisor)

**Undergraduate Theses:**

- 2010–2011 Dev Rijal. *Undergraduate Thesis*: Developing a protocol for analysis of soil nitrate and ammonium using microplate-based spectrophotometry.
- 2009–2010 Lindsey Day. *Undergraduate Thesis*: Chicago area *Rhamnus cathartica* growth rates and their relation to historical climatic data.

**Others:** I contributed to the Mentoring of the following graduate and undergraduate students in the lab of Dr. Songlin Fei at Purdue University: Gabriela Nunez-Mir, Emily McCallen, Teresa Clark, Johanna Desprez, Christian M. Houser, Keeli Curtis, and Gang Shao.

**TEACHING ACTIVITIES**

- 2017-Present Instructor. FNR 4461, Spatial Models and Decision Analysis. School of Forest Resources and Conservation, University of Florida.
- 2017-Present Instructor. FOR 6933, Graduate Student Seminar Series. Co-Taught with Dr. Jason Smith (Lead Instructor).
- 2016 & 2017 Invited Lecturer. *Forest of the upper Midwestern USA: common species and common challenges*. FNR 3131C, Dendrology and Forest Plants. School of Forest Resources and Conservation, University of Florida.
- 2014 Invited Lecturer. *Using spatial autocorrelation to your advantage*. FNR 598, Advanced GIS and Spatial Analysis. Dept. of Forestry and Natural Resources, Purdue University.
- 2014 Invited Lecturer. *Data inspection, summary, and visualization using the R statistical language*. FNR 355, Quantitative Methods for Resource Management. Dept. of Forestry and Natural Resources, Purdue University.
- 2013 Invited Lecturer. *Organisms and landscape patterns*. FNR 598, Advanced Spatial Ecology and GIS. Dept. of Forestry and Natural Resources, Purdue University.
- 2012 Invited Lecturer. *Combining a manipulative and natural experiment with an individual-based model to investigate shrub invasions*. BIOS 531, Introduction to Ecology and Evolution. Dept. of Biological Sciences, University of Illinois at Chicago.
- 2012 Teaching Assistant. *BIOS 230, Ecology and Evolution*. Dept. of Biological Sciences, University of Illinois at Chicago.
- 2011 Invited Lecturer. *Investigations of Rhamnus cathartica (European buckthorn) invasions and management*. BIOS 531, Introduction to Ecology and Evolution. Dept. of Biological Sciences, University of Illinois at Chicago.



- 2011            Teaching Assistant. *NATS 103, The Biological World*. Dept. of Biological Sciences, University of Illinois at Chicago.
- 2010            Teaching Assistant. *BIOS 331, General Ecology Lab*. Dept. of Biological Sciences, University of Illinois at Chicago.
- 2009–2010    Teaching Assistant. *BIOS 230, Ecology and Evolution*. Dept. of Biological Sciences, University of Illinois at Chicago.
- 2006–2007    Teaching Assistant. *BIOL 1001, Evolutionary and Ecological Perspectives*. College of Biological Sciences, University of Minnesota, Twin Cities.

### EXTENSION PRESENTATIONS

- Iannone, B. V., III.** 2017. Benefits of plants and biodiversity in stormwater ponds. *South Central District Green Team Meeting on Stormwater Ponds*. Lakewood Ranch, FL.
- Iannone, B. V., III.** 2017. Biological invasions: the need to consider nuances in definitions. *Natural Resource Urban Sustainability IST*. Austin Cary Forest Campus. Gainesville, FL.
- Iannone, B. V., III.** 2017. Considering biodiversity to meet FFL™ principles. In symposium entitled *Florida Friendly Landscaping™ in the Ecosystems Services Framework*. University of Florida IFAS Extension Symposium and Professional Development Workshops.

### INVITED PRESENTATIONS (Meeting Sessions and Public Outreach)

- Iannone, B. V., III.** 2016. Geospatial analysis of sustainable and resilient land development. Center for Landscape Conservation and Ecology annual advisory board meeting. Citra, FL.
- Iannone, B. V., III.** 2015. *Plenary Speaker*. Revealing Regional Patterns and Drivers of Forest Plant Invasion in the Midwest Using USDA FIA Data. *Midwest Invasive Plant Symposium and Annual Meeting of the North Central Weed Science Society*. Indianapolis, IN.
- Iannone, B. V., III.** 2015. European buckthorn: multi-study approach reveals improved ecological understanding and management recommendations. *Forest Health, Insect, and Disease Briefing*. Boalsburg, PA.
- Iannone, B. V., III,** D. H. Wise, L. Heneghan, C. M. Oswalt, S. N. Oswalt, N. Clause, B. C. Pijanowski, and S. Fei. 2014. Invited Speaker. Belowground causes and consequences of *Rhamnus cathartica* L. (European buckthorn) invasion into remnant urban woodlands. 25<sup>th</sup> U.S.D.A. Interagency Research Forum on Invasive Species. Annapolis, MD.

**Iannone, B. V., III**, D. Lin, L. Heneghan, A. Yannarell, and D. H. Wise. 2013. Invited Speaker. Using a paired-plot design to differentiate between the belowground causes and consequences of exotic-shrub invasions. Contribution to the Organized Oral Session “Long-term Legacies of Invasive Shrubs on Forest Ecosystems,” *Ecological Society of America Meeting*. Minneapolis, MN.

**Iannone, B. V., III**. 2011. Invited Speaker. Interdisciplinary investigations of *Rhamnus cathartica* (European buckthorn) invasion. *External Advisory Board Meeting, Institute for Environmental Science and Policy*. University of Illinois at Chicago, Chicago, IL.

**Iannone, B. V., III**. 2009. Invited Speaker (*Community outreach*). What are invasive species, what are their environmental consequences, and what can be done? *Peace and Environment Forum*. The Ancient Dragon Zen Gate, Chicago, IL.

### PRESENTATIONS (Meetings and Seminars)

**Iannone, B. V., III**, G. P. Nighswander, and K. Hess. 2018. Residential landscape ecology: understanding the ecological patterns and processes of the fastest growing land cover in the USA. *2018 Urban Landscape Summit*. Gainesville, FL.

Nighswander, G. P., A. Dale, J. Qiu, and **B. V., III, Iannone**. 2018. The Role of Vegetational Characteristics and Landscape Context in Controlling Arthropod Pests in Ornamental Gardens. *2018 Urban Landscape Summit*. Gainesville, FL.

Hess, K., E. Bean, A. J. Reisinger, P. Jones, and **B. V., III, Iannone**. 2018. Irrigation and Fertilizer Use: Quantifying and Projecting how Reducing Usage in Residential Landscapes Can Benefit Wetlands. *2018 Urban Landscape Summit*. Gainesville, FL.

**Iannone, B. V., III**, K. M. Potter, K. A. Dixon-Hamil, W. Huang, H. Zhang, Q. Guo, C. M. Oswalt, C. W. Woodall, and S. Fei. 2017. Evidence of biotic resistance to nonnative invasions in eastern U.S. forests: a macroscale study. *11<sup>th</sup> North American Forest Ecology Workshop. Sustaining Forests: From Restoration to Conservation*. Edmonton, Canada.

Guo, Q., S. Fei, Shen, Z., **B. V., III, Iannone**, J. Knott, and S. Chown. 2017. Global variation in the elevational distributions of nonnative vs. native species. *8<sup>th</sup> Biennial Conference of the International Biogeography Society*. Tucson, AZ.

**Iannone, B. V., III**, K. M. Potter, C. M. Oswalt, Q. Guo, and S. Fei. 2016. Evolutionary divergence conveys biotic resistance to invasion across multiple spatial scales. *U.S. Regional Association of the International Association for Landscape Ecology annual meeting*. Asheville, NC.

- Oswalt, C. M., S. Fei, T. R. Ridley, S. N. Oswald, **B. V., III, Iannone**, K. M. Potter, Q. Guo, and B. Pijanowski. 2016. Southern invasive plant inventory data, tools, and discoveries. *U.S. Regional Association of the International Association for Landscape Ecology annual meeting*. Asheville, NC.
- Potter, K. M., C. M. Oswald, S. Fei, **B. V., III, Iannone**, and Q. Guo. 2016. How-and-where-do nonnative trees alter the biodiversity of eastern U.S. forests. *U.S. Regional Association of the International Association for Landscape Ecology annual meeting*. Asheville, NC.
- Fei, S., **B. V., III, Iannone**, Q. Guo, C. M. Oswald, and K. M. Potter. 2016. Biotic resistance of invasive species. *U.S. Regional Association of the International Association for Landscape Ecology annual meeting*. Asheville, NC.
- Potter, K. M., **B. V., III, Iannone**, C. M. Oswald, Q. Guo, H. Zhang, C. W. Woodall, and S. Fei. 2015. Biodiversity, biomass, and resistance to plant invasion across the eastern United States. *13th International Conference on the Ecology and Management of Alien Plant Invasions*. Waikoloa, HI.
- Fei, S., **B. V., III, Iannone**, K. M. Potter, Q. Guo, C. M. Oswald, B. C. Pijanowski, and A. M. Liebhold. 2015. Macrosystems invasion patterns and processes. 13th International Conference on the Ecology and Management of Alien Plant Invasions. *13th International Conference on the Ecology and Management of Alien Plant Invasions*. Waikoloa, HI.
- Potter, K. M., **B. V., III, Iannone**, C. M. Oswald, C. W. Woodall, and S. Fei. 2015. When (and where) does biodiversity matter? The ecological importance of evolutionary diversity across broad regions. *International Union of Forest Research Organizations (IUFRO) Landscape Ecology Conference*. Tartu, Estonia.
- Iannone, B. V., III**, K. M. Potter, H. Zhang, Q. Guo, C. M. Oswald, C. W. Woodall, K. Dixon Hamil, W. Huang, and S. Fei. 2015. Determining sub-continental patterns of biotic resistance: A North American forest case study. *Ecological Society of America Meeting*. Baltimore, MD.
- Iannone, B. V., III**, K. M. Potter, K. Dixon Hamil, W. Huang, H. Zhang, Q. Guo, C. M. Oswald, C. W. Woodall, and S. Fei. 2015. Key invasion relationships are contingent on scale and sub-regional ecological context: a North American forests case study. *Association of American Geographers Meeting*. Chicago, IL.
- Guo, Q., S. Fei, **B. V., III, Iannone**, K. M. Potter, C. M. Oswald. 2015. Species invasions: global patterns and regional differences. *Association of American Geographers Meeting*. Chicago, IL.
- Potter, K. M., C. M. Oswald, **B. V., III, Iannone**, S. Fei, S. N. Oswald, Q. Guo. 2015. Forest tree biodiversity: An indicator of invasive plant success in the Southeastern United States. *Association of American Geographers Meeting*. Chicago, IL.

- Fei, S., **B. V., III, Iannone**, C. Oswalt, Q. Guo, B. Pijanowski, K. Potter, T. Clark, and G. Nunez-Mir. 2015. *Macroscale invasion patterns and processes*. International Biogeography Society 7th Biennial Meeting. Bayreuth, Germany.
- Nunez-Mir, G. C., **B. V., III, Iannone**, K. Curtis, and S. Fei. 2014. Evolution of forest restoration – a solid past and a dynamic future. *IUFRO-sponsored 2nd Restoring Forests Congress*. West Lafayette, IN.
- Iannone, B. V., III**, C. M. Oswalt, A. M. Liebhold, Q. Guo, K. M. Potter, G. C. Nunez-Mir, S. N. Oswalt, B. C. Pijanowski, and S. Fei. 2014. Macroscale patterns and drivers of forest plant invasions: a multidimensional, region-specific perspective. *Society of American Foresters National Convention*. Salt Lake City, UT.
- Fei, S., B. C. Pijanowski, C. M. Oswalt, Q. Guo, **Iannone, B. V., III**, A. Liebhold, W. Hargrove, G. C. Nunez-Mir, and T. Clark. 2014. Understanding macroscale invasion dynamic processes. *Society of American Foresters National Convention*. Salt Lake City, UT.
- Guo, Q., S. Fei, C. M. Oswalt, **B. V., III, Iannone**, K. M. Potter, and B. C. Pijanowski. 2014. Degree of invasion across scales and boundaries. *Society of American Foresters National Convention*. Salt Lake City, UT.
- Potter, K. M., C. M. Oswalt, **B. V., III, Iannone**, S. Fei, and Q. Guo. 2014. Forest tree biodiversity is correlated with invasive plant diversity and cover across the southeast. *Society of American Foresters National Convention*. Salt Lake City, UT.
- Oswalt, C. M., S. Fei, Q. Guo, **B. V., III, Iannone**, B. C. Pijanowski, S. Oswalt, and K. M. Potter. 2014. Monitoring the spread of invasive plants in U.S. Forests. *Society of American Foresters National Convention*. Salt Lake City, UT.
- Fei, S. B. Pijanowski, C. Oswalt, Q. Guo, A. Liebhold, K. Potter, W. Hargrove, **B. V., III, Iannone**, G. C. Nunez-Mir, and T. Clark. 2014. PRIDE-a traits-based framework. *3<sup>rd</sup> Annual Meeting of the Macrosystems Biology Pls*. NSF Headquarter. Washington, DC.
- Potter, K. M., C. M. Oswalt, **B. V., III, Iannone**, S. Oswalt, and S. Fei. 2014. Relationships between forest tree biodiversity and invasive plant success across the Southeastern United States. *U.S. International Association of Landscape Ecology Annual Symposium*. Anchorage, AK.
- Iannone, B. V., III**, C. M. Oswalt, K. M. Potter, S. N. Oswalt, B. C. Pijanowski, and S. Fei. 2013. National invasive plant distribution patterns and associations. *9<sup>th</sup> Southern Forestry and Natural Resource Management GIS Conference*. Athens, GA.
- Potter, K., C. M. Oswalt, Q. Quo, **B. V., III, Iannone**, S. N. Oswalt, and S. Fei. 2013. Can forest evolutionary diversity and structure predict invasive plant success? A South-wide story. *9<sup>th</sup> Southern Forestry and Natural Resource Management GIS Conference*. Athens, GA.

- Ross, K., **B. V., III, Iannone**, D. H. Wise, and L. Heneghan. 2013. The ecological science data set of the RESTORE project: how biodiversity patterns help answer the core question of the research project. *5th World Conference on Ecological Restoration*. Madison, WI.
- Iannone, B. V., III**, L. Heneghan, D. Rijal, and D. H. Wise. 2012. Discovering the belowground causes and consequences of *Rhamnus cathartica* L. (European buckthorn) invasions. *Chicago Wilderness Congress*. Chicago, IL.
- Iannone, B. V., III**, L. G. Umek, L. Heneghan, and D. H. Wise. 2012. Evaluation of soil-mulch amendments as a tool for limiting *Rhamnus cathartica* (European buckthorn) reinvasion. *EcoSummit*. Columbus, OH.
- Iannone, B. V., III**, L. Heneghan, D. Rijal, and D. H. Wise. 2012. Discovering the belowground causes and consequences of *Rhamnus cathartica* L. (European buckthorn) invasions. *Ecological Society of America Meeting*. Portland, OR.
- Iannone, B. V., III**. 2011. Using paired invaded-uninvaded points across the landscape to determine the belowground causes and consequences of *Rhamnus cathartica* L. (European buckthorn) invasions. *Dept. of Biological Sciences Ecology and Evolution Seminar Series*. University of Illinois at Chicago, Chicago, IL.
- Iannone, B. V., III**, L. G. Umek, L. Heneghan, and D. H. Wise. 2011. How does amending soils with mulch after *Rhamnus cathartica* (European buckthorn) removal limit reinvasion? *3<sup>rd</sup> Annual Meeting of the Midwest-Great Lakes Society of Ecological Restoration Chapter*. University of Illinois-Springfield, Springfield, IL.
- Iannone, B. V., III**, and S. M. Galatowitsch. 2007. An evaluation of sedge meadow restoration strategies intended to limit *Phalaris arundinacea* reinvasion by altering light and N availability. *Ecological Society of America and Society for Ecological Restoration Joint Meeting*. San Jose, CA.
- Iannone, B. V., III**, and S. M. Galatowitsch. 2007. Can native plants outcompete *P. arundinacea* during the establishment of restored sedge meadow communities by reducing limiting resources? *University of Minnesota 5<sup>th</sup> Annual Invasion Biology Research Consortium (IRBC) Retreat*. White Bear Township, MN.
- Iannone, B. V., III**, and S. M. Galatowitsch. 2006. Can native plants outcompete *P. arundinacea* during the establishment of restored sedge meadow communities by reducing limiting resources? *Soils and Restoration Ecology Conference*. DePaul University, Chicago, IL.

### POSTER PRESENTATIONS

- Iannone, B. V., III**, G. P. Nighswander, and K. Hess. 2018. Residential landscape ecology: understanding the ecological patterns and processes of the fastest growing land cover in the USA. *US-IALE 2018 Annual Meeting*. Chicago, IL.

- Nighswander, G. P., A. Dale, and **B. V., III, Iannone**. 2018. The Role of Biotic Complexity and Landscape Context in Controlling Arthropod Pests in Ornamental Gardens. *US-IALE 2018 Annual Meeting*. Chicago, IL.
- Iannone, B. V., III**, G. P. Nighswander, and K. Hess. 2018. Residential landscape ecology: understanding the ecological patterns and processes of the fastest growing land cover in the USA. *2018 Urban Landscape Summit*. Gainesville, FL.
- Nighswander, G. P., A. Dale, J. Qiu, and **B. V., III, Iannone**. 2018. The Role of Vegetational Characteristics and Landscape Context in Controlling Arthropod Pests in Ornamental Gardens. *2018 Urban Landscape Summit*. Gainesville, FL.
- Hess, K., E. Bean, A. J. Reisinger, P. Jones, and **B. V., III, Iannone**. 2018. Irrigation and Fertilizer Use: Quantifying and Projecting how Reducing Usage in Residential Landscapes Can Benefit Wetlands. *2018 Urban Landscape Summit*. Gainesville, FL.
- Fei, S., K. M. Potter, **B. V., III, Iannone**, Q. Guo, G. C. Nunez-Mir, C. M. Oswalt, T. L. Clark, B. Pijanowski. 2015. Understanding the spatiotemporal invasion patterns through a macroecosystems approach. *Ecological Society of America Meeting*. Baltimore, MD.
- Iannone, B. V., III**, C. M. Oswalt, K. M. Potter, S. N. Oswalt, A. Fowler, B. C. Pijanowski, and S. Fei. 2014. Emerging sub-continental patterns of forest plant invasions as revealed by FIA monitoring data. *GIS Day a Purdue University*. West Lafayette, IN.
- Madurapperuma, B., **B. V., III, Iannone**, J. Jung, B. C. Pijanowski, and S. Fei. 2014. Relationship of forest structural complexity and plant invasion: integrating LiDAR and FIA invasive plant data from the Appalachian Mountains of the USA. *GIS Day a Purdue University*. West Lafayette, IN.
- Desprez, J., **B. V., III, Iannone**, S. Fei, and C. M. Oswalt. 2014. Northward migration of blackgum (*Nyssa sylvatica*) under a changing climate. *GIS Day a Purdue University*. West Lafayette, IN.
- Umek, L. G., **B. V., III, Iannone**, L. Heneghan, and D. H. Wise. 2014. Impacts of removing European buckthorn on earthworm communities and soil nutrient availability. *IUFRO-sponsored 2nd Restoring Forests Congress*. West Lafayette, IN.
- Madurapperuma, B., **B. V., III, Iannone**, J. Jung, B. C. Pijanowski, and S. Fei. 2014. Relationship of forest structural complexity and plant invasion: integrating LiDAR and FIA invasive plant data from the Appalachian Mountains of the USA. *IUFRO-sponsored 2nd Restoring Forests Congress*. West Lafayette, IN.
- Desprez, J., **B. V., III, Iannone**, S. Fei, and C. M. Oswalt. 2014. Northward migration of blackgum (*Nyssa sylvatica*) under a changing climate. *Society of American Foresters National Convention*. Salt Lake City, UT.

Fei, S. B. Pijanowski, C. Oswalt, Q. Guo, A. Liebhold, K. Potter, W. Hargrove, **B. V., III, Iannone**, G. C. Nunez-Mir, and T. Clark. 2014. Predicting regional invasion dynamic processes (PRIDE): a functional trait based, multi-scale research framework. *3<sup>rd</sup> Annual Meeting of the MacroSystems Biology PIs*. NSF Headquarter. Washington, DC.

Nunez-Mir, G. C., **B. V., III, Iannone**, B. C. Pijanowski, and S. Fei. 2014. Land use and invasion success: a quantitative review of qualitative data. 2014. *2014 Dept. of Forestry and Natural Resources Research Symposium*. West Lafayette, IN.

**Iannone, B. V., III**, C. M. Oswalt, K. M. Potter, S. N. Oswalt, A. Fowler, B. C. Pijanowski, and S. Fei. 2014. Emerging regional patterns of forest plant invasions as revealed by FIA monitoring data. *25<sup>th</sup> U.S.D.A. Interagency Research Forum on Invasive Species*. Annapolis, MD.

Fei, S., B. C. Pijanowski, C. M. Oswalt, Q. Guo, A. Liebold, K. M. Potter, W. Hargrove, **B. V., III, Iannone**, G. Nenez-Mir, and T. Clark. 2014. Predicting regional invasion dynamics processes (PRIDE): a functional trait based, multi-scale research framework. *25<sup>th</sup> U.S.D.A. Interagency Research Forum on Invasive Species*. Annapolis, MD.

## SERVICE

2017-Present Editorial Board Member. *Ecological Restoration*.

Reviewer of manuscripts for: *Applied Soil Ecology, Biological Invasions, Ecological Restoration, Environmental Management, Forest Ecology and Management, Invasive Plant Science and Management, Journal of Botany, Landscape Ecology, Plant and Soil*

Reviewer of proposals for: Minnesota Invasive Terrestrial Plants and Pest Center

2017-Present Member. Invasive Species Council. University of Florida Institute of Food and Agricultural Sciences.

2016 Symposium Moderator. Understanding macroscale invasion patterns and processes. *U.S. Regional Association of the International Association for Landscape Ecology annual meeting*. Asheville, NC.

2014 Meeting Presider. *3<sup>rd</sup> MacroSystems Biology PI Meeting*. 19-20 June, 2014. National Science Foundation Headquarters, Arlington, VA.

2014 Organizational Committee Member. *3<sup>rd</sup> MacroSystems Biology PI Meeting*. 19-20 June, 2014. National Science Foundation Headquarters, Arlington, VA.

2010–2011 Member of the Committee for Improving Student Health Care. University of Illinois at Chicago.

- 2009            Seminar Organizer. *Interdisciplinary Graduate Research*. Depts. of Biological Sciences and Earth and Environmental Sciences, University of Illinois at Chicago.
- 2005–2007    Incoming Graduate Student Mentor. Dept. of Ecology, Evolution and Behavior, University of Minnesota, Twin Cities.
- 2005–2007    Student Representative of the Academic Grievance Committee. Dept. of Ecology, Evolution and Behavior, University of Minnesota, Twin Cities.
- 1999–2000    Volunteer. Colorado Division of Wildlife.
- 1998–1999    Volunteer. Valley Forge National Historical Park.

### **CROSS-INSTITUTIONAL RESEARCH COLLABORATIONS (Past and Present)**

**Research and academic institutions:** DePaul University; University of Illinois at Chicago; and University of Illinois at Urbana-Champaign; Morton Arboretum; North Carolina State University; Illinois Natural History Survey; Field Museum; Chicago Wilderness Science Team; and Purdue University.

**Land-management agencies:** USDA Forest Service Northern Research Station; USDA Forest Service Southern Research Station; Minnesota Department of Transportation; Minnesota Bureau of Water and Soil Resources; Minnesota Department of Natural Resources; Pilcher Woods Nature Preserve; Thorn Creek Nature Preserve; North Branch Restoration Project; and the Forest Districts of Cook, DuPage, and Lake Counties (Illinois, U.S.A.).

**Private enterprises:** Lakewood Ranch Inter-District Authority, Altec Lakes and Natural Areas Inc., Down to Earth Landscaping & Irrigation, On Top of the World, Weyerhaeuser

### **PROFESSIONAL SOCIETIES**

Ecological Society of America  
International Association for Landscape Ecology  
Society for Ecological Restoration International