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PROFESSIONAL OVERVIEW

My research and outreach efforts aim to mitigate the environmental impacts, and enhance the ecological value, of urban and residential areas, two of the fastest growing land cover types globally. For these efforts, I ask *how to design, construct, and manage these land cover types to benefit both people and nature?* I see these efforts contributing to the science of reconciliation ecology—the science of “creating and managing habitats in human-dominated landscapes to support biodiversity in the places where people live, work, and play”¹. My work is interdisciplinary, bringing together ecologists, social scientists, engineers, entomologists, statisticians, hydrologists, horticulturalists, and landscape architects. I also use translational approaches² by collaborating with non-academic science end users on all stages of research to ensure that findings lead to better environmental decisions, practices, and outcomes. These non-academic science end users include regulators, municipal leaders, NGOs, and private industry.

EDUCATION

- 2013 Ph.D. Ecology & 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

¹ Rosenzweig, M. L. (2003) *Win-Win Ecology: How the Earth's Species Can Survive in the Midst of Human Enterprise*. Oxford University Press, New York.

² Schlesinger, W. H. (2010) Translational ecology. *Science* 329:609.

ACADEMIC & RESEARCH APPOINTMENTS

- 2023–Present Associate Professor & State Extension Specialist. School of Forest, Fisheries, and Geomatics Sciences, University of Florida (UF) | Institute of Food and Agricultural Sciences (IFAS).
- 2016–2023 Assistant Professor & State Extension Specialist. School of Forest, Fisheries, and Geomatics Sciences, University of Florida (UF) | Institute of Food and Agricultural Sciences (IFAS).
- 2016–Present Affiliate Faculty: UF|IFAS Center for Land Use Efficiency, UF|IFAS Program for Resource Efficient Communities, & UF School of Natural Resources and Environment.
- 2013–2016 Postdoctoral Research Fellow. Purdue University, Dept. of Forestry and Natural Resources.
- 2013 Research Associate (Joint appointment). 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.
- 2007-2013 Research & Teaching Assistant. University of Illinois at Chicago, Dept. of Biological Sciences.
- 2004–2006 Research & Teaching Assistant. Dept. of Ecology, Evolution, and Behavior, University of Minnesota, Twin Cities.
- 2002 & 2004 Biological Technician (Joint appointment). U.S. Geological Survey, U.S. 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.

PUBLICATIONS

Peer Reviewed Research

- Iannone III, B. V.**, E. Z. Bean, Alexander J. Reisinger, and A. O. Wells. 2025 (*In press*). Rapid land development: five tips for extension to inform better decisions and practices. *Journal of Extension*.

- Pandolfi, A., D. G. Jenkins, P. J. Bohlen, **B. V. Iannone III**, B. L. Moffis, and P. E. Skelley. (2025). Experimental assessment of the effects of sustainable landscaping practices on beetles in a new residential land development. *PeerJ* 3:e20415 <https://doi.org/10.7717/peerj.20415>.
- Hagaman, M., P. J. Bohlen, D. Jenkins, R. P. Marquez, **B. V. Iannone III**, and B. L. Moffis. (2025). Building better homes for pollinators: establishing native plant landscapes in new residential developments. *Urban Forestry & Urban Greening*. <https://doi.org/10.1016/j.ufug.2025.129214>
- Potter, K. P., **B. V. Iannone III**, K. H. Ritters, Q. Guo, K. Pandit, C. M. Oswalt. 2025. United States forests are increasingly invaded by problematic non-native plants. *Forest Ecology and Management* 599:123282. <https://doi.org/10.1016/j.foreco.2025.123281>
- Lusk, M. G., E. Z. Bean, **B. V. Iannone III**, and A. J. Reisinger. 2025. Stormwater ponds: unaccounted environmental challenges of a widely-adopted best management practice in urban landscapes. *Journal of Environmental Management* 374:124170. <https://doi.org/10.1016/j.jenvman.2025.124170>.
- Pinkney IV, J. L., **B. V. Iannone III**, S. R. Milla-Lewis, R. van der Laat, J. B. Unruh, M. Schiavon, and A. G. Dale. 2025. Investigating multi-trophic effects of St. Augustinegrass cultivar blends in the southeastern United States. *Crop Science*. <https://doi.org/10.1002/csc2.21399>.
- Boeri, P., J. Unruh, K. Kenworthy, A. Blount, M. Schiavon, A. J. Reisinger, and **B. V. Iannone III**. 2025. Nitrogen leaching and groundwater recharge of alternative lawn conversions in subtropical climates. *Crop Science*. <https://doi.org/10.1002/csc2.21381>.
- van der Laat, R., R. G. Leon, A. G. Dale, **B. V. Iannone III**, B. Gouveia, E. M Carbajal, M. Schiavon, J. B. Unruh, and S. R. Milla-Lewis. 2025. Molecular analysis of St. Augustinegrass cultivar mixtures composition over time and latitude. *Crop Science*. <https://doi.org/10.1002/csc2.21370>.
- Potter, K., K. Riitters, **B. V. Iannone III**, Q. Guo, and S. Fei. 2024. Forest plant invasions in the eastern United States: evidence of invasion debt in the wildland-urban interface. *Landscape Ecology* 39:207. <https://doi.org/10.1007/s10980-024-01985-y>.
- Rycyna, J., S. B. Wilson, Z. Deng, **B. V. Iannone III**, and G. Knox. 2024. Landscape and female fertility evaluation of seven heavenly bamboo cultivars as potential non-invasive alternatives to the wild type. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0310246>.
- Russo, K. A., J. C. Jones, V. V. Vasconcelos, O. Malakhova, E. N. Broadbent, J. Colee, A. G. Dale, J. Qiu, N. W. Taylor, W. L. Wilber, and **B. V. Iannone III**. 2024. Divergence in diversity-area relationships between lawn and non-lawn plants in residential landscapes. *Landscape Ecology* 39:96. <https://doi.org/10.1007/s10980-024-01876-2>.

- Rycyna, J., S. B. Wilson, Z. Deng, **B. V. Iannone III**, and G. W. Knox. 2024. Landscape and fruit evaluation of three privet (*Ligustrum* sp.) cultivars in Florida. *Horticulturae* 10: <https://doi.org/10.3390/horticulturae10010090>.
- Lieurance, D., S. Canavan, D. C. Behringer, E. A., Kendig, C. Minter, L. S. Reisinger, C. M. Romagosa, S. L. Flory, J. L. Lockwood, P. J. Anderson, S. M. Baker, J. Bojko, K. E. Bowers, K. Canavan, K. Carruthers, W. M. Daniel, D. R. Gordon, J. E. Hill, J. G. Howeth, **B. V. Iannone III**, L. Jennings, L. A. Gettys, E. Kariuki, J. M. Kunzer, H. D. Laughinghouse IV, N. Mandrak, S. McCann, T. Morawo, C. R. Morningstar, M. Neilson, T. Petri, I. A. Pflingsten, R. N. Reed, L. J. Walters, and C. Wanamaker. 2023. Identifying invasive species threats, pathways, and impacts to improve biosecurity. *Ecosphere*: <https://doi.org/10.1002/ecs2.4711>.
- Kendig, A. E., S. Canavan, P. J. Anderson, S. L. Flory, L. A. Gettys, D. R. Gordon, **B. V. Iannone III**, J. M. Kunzer, T. Petri, I. A. Pflingsten, and D. Lieurance. 2022. Scanning the horizon for invasive plant threats using a data-driven approach. *NeoBiota* 74:129-154. <https://neobiota.pensoft.net/article/83312/>.
- Hess, K. M., J. S. Sinclair, A. J. Reisinger, E. Z. Bean, and **B. V. Iannone III**. 2022. Are stormwater detention ponds protecting urban water bodies? A case study using depressional wetlands. *Urban Ecosystems* 25:1155-1168. <https://doi.org/10.1007/s11252-022-01208-9>.
- Whitman, B. G., **B. V. Iannone III**, J. K. Kruse, J. B. Unruh, and A. G. Dale. 2022. Cultivar blends: a strategy for creating more resilient warm season turfgrass lawns. *Urban Ecosystems* 25:797–810. <https://doi.org/10.1007/s11252-021-01195-3>.
- Nighswander, G. P., J. S. Sinclair, A. G. Dale, J. Qiu, and **B. V. Iannone III**. 2021. Importance of plant diversity and structure for urban garden pest resistance. *Landscape and Urban Planning* 215. <https://doi.org/10.1016/j.landurbplan.2021.104211>.
- Phillips, H. et al... (120 authors, **B. V. Iannone III**) E. K. Cameron. 2021. Global data on earthworm abundance, biomass, diversity, and corresponding environmental properties. *Scientific Data* 8. <https://doi.org/10.1038/s41597-021-00912-z>.
- Sinclair, J. S., L. S. Reisinger, C. R. Adams, E. Z. Bean, A. J. Reisinger, and **B. V. Iannone III**. 2021. Vegetation management and benthic macroinvertebrate communities in urban stormwater ponds: implications for regional biodiversity. *Urban Ecosystems* 24:72-735. <https://doi.org/10.1007/s11252-020-01072-5>.
- Iannone III, B. V.**, S. Carnevale, M. Main, J. E. Hill, J. B. McConnell, S. A. Johnson, S. F. Enloe, M. Andreu, E. C. Bell, J. P. Cuda, and S. M. Baker. 2020. (Most Popular Paper, 2020-present). Invasive species terminology: standardizing for stakeholder education. *Journal of Extension* 58: Feature/v58-3a3. Open Access: <https://tigerprints.clemson.edu/joe/vol58/iss3/27/>.

- Sinclair, J. S., A. J. Reisinger, E. Z. Bean, C. Adams, L. Reisinger, and **B. V. Iannone III**. 2020a. Stormwater ponds: an overlooked but plentiful urban designer ecosystem provides invasive plant habitat in a subtropical region (Florida, USA). *Science of the Total Environment* 711:135133. <https://doi.org/10.1016/j.scitotenv.2019.135133>.
- Sinclair, J. S., C. Adams, A. J. Reisinger, E. Z. Bean, L. Reisinger, A. Holmes, and **B. V. Iannone III**. 2020b. Commonalities and management-driven differences in stormwater pond invasive plant traits. *Landscape and Urban Planning* 201:103839. <https://www.sciencedirect.com/science/article/pii/S0169204619312290?via%3Dihub>.
- Heneghan, L., L. M. Westphal, D. H. Wise, K. A. Ross, C. Watkins, P. H. Gobster, **B. V. Iannone III**, M. Tudor, J. Vining, A. Wali, and M. Zellner. 2019. Institutional diversity in the planning process yields similar biodiversity outcomes in ecological restoration. *Society and Natural Resources* 33:949-967 <https://doi.org/10.1080/08941920.2019.1703062>.
- Phillips, H. et al... (120 authors, **B. V. Iannone III**) E. K. Cameron. 2019. Global distribution of earthworm diversity. *Science* 36:480-485. <https://www.science.org/doi/10.1126/science.aax4851>.
- Nunez-Mir, G. C., Q. Guo, M. Rejmanek, **B. V. Iannone III**, and S. Fei. 2019. Predicting invasiveness of exotic woody species using a traits-based framework. *Ecology* 100:e02797 <https://doi.org/10.1002/ecy.2797>.
- Iannone III, B. V.**, K. M. Potter, Q. Guo, I. Jo, C. M. Oswalt, and S. Fei. 2018. Environmental harshness drives spatial heterogeneity in biotic resistance. *NeoBiota* 40:87-105. <https://doi.org/10.3897/neobiota.40.28558>.
- Shao, G., **B. V. Iannone III**, and Fei, S. 2018. Enhanced forest interior estimations utilizing lidar-assisted 3D forest cover map. *Ecological Indicators* 93:1236-1243. doi.org/10.1016/j.ecolind.2018.06.037.
- Guo, Q., S. Fei, Z. Shen, **B. V. Iannone III**, J. Knott, and S. Chown. 2018. A global analysis of elevational distribution of nonnative versus native plants. *Journal of Biogeography* 45:793-803. <https://doi.org/10.1111/jbi.13145>.
- Riitters, K., K. Potter, **B.V. Iannone III**, C. Oswalt, S. Fei, and Q. Guo. 2018. (*Editor's 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. Iannone III**, and S. Fei. 2018. Measuring macroscale invasion and dispersal patterns in the eastern U.S. *Journal of Plant Ecology* 1:64-72. <https://doi.org/10.1093/jpe/rtw136>.
- Guo, Q., **B. V. Iannone III**, 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. Iannone III**, T. Clark, and S. Fei. 2017. An automated content analysis of forestry research: are socioecological challenges being addressed? *Journal of Forestry* 115:1-9. <https://doi.org/10.5849/jof.15-144>.
- Nunez-Mir, G. C., **B. V. Iannone III**, 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. <https://doi.org/10.1111/2041-210X.12602>.
- Iannone III, B. V.**, 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 III, B. V.**, 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. Iannone III**. 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. Iannone III**, 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 III, B. V.**, 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. Iannone III**, 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. Iannone III**, and K. M. Potter. 2015. A unified approach to quantify invasibility and degree of invasion. *Ecology* 96:2613-2621. <https://doi.org/10.1890/14-2172.1>.
- Oswalt, C., S. Fei, Q. Guo, **B. V. Iannone III**, 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 III, B. V.**, 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. <https://doi.org/10.1111/1365-2664.12354>.

Desprez, J., **B. V. Iannone III**, 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 III, B. V., 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. <https://doi.org/10.1890/13-0833.1>.

Iannone III, B. V., 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 III, B. V., 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 III, B. V., 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 III, B. V., 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. <https://doi.org/10.2980/15-4-3190>.

Iannone III, B. V., 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>.

In Review or Revision

Gusto, C., P. F. Monaghan, **B. V. Iannone III**, C. P. D. Dissanayake Mudiyansele, A. Asanzi, and M. Atkinson. (*In review*). “Ponds are not about the science; they are about quality of life”: workshop insights on managing stormwater ponds with shoreline plantings. *People and Nature*.

Boeri, P. A., J. B. Unruh, K. E. Kenworthy, A. R. S. Blount, M. S. Schiavon, A. J. Reisinger, and **B. V. Iannone III**. (*In review*). Irrigation requirements, drought tolerance, and stability of warm-season legumes intermixed in turfgrass. *Crop Science*.

Iannone III, B. V., P. J. Bohlen, L. Bertolotti, V. CopeG, M. Hagamang, C. Hite, P. Jones, R. Levey, D. Midlane, B. L. MoffisG, A. Pandolfig, T. Sallin, and G. Witherspoon. (*In revision*) Embedding collaborative research into residential land development: A translational approach to ecology with cities. *Urban Ecosystems*.

Peer-Reviewed Outreach (Publicly available through the UF|FAS Extension Digital Information System (EDIS) at <http://edis.ifas.ufl.edu/>)

Bourassa, B. M., B. D. Hughs, S. A. Johnson, and **B. V. Iannone III**. *Coexisting with Venomous Snakes*. Publication WEC466, Department of Wildlife Ecology and Conservation, UF|IFAS. (2024). <https://edis.ifas.ufl.edu/publication/UW524>.

Asanzi, A., M. Carver-Martin, M. Atkinson, C. P. D. Dissanayake Mudiyansele, **B. V. Iannone III**, E. Z. Bean, A. J. Reisinger, M. Lusk, D. Laughinghouse, and P. Monaghan. *Frequently Asked Questions About Stormwater Wet Ponds*. Publication AEC807, Department of Agricultural Education and Communication, UF|IFAS (2024). <https://edis.ifas.ufl.edu/publication/WC468>.

Reisinger, A. J., M. D. Dukes, **B. V. Iannone III**, J. B. Unruh, and S. J. Smidt. *Effects of Urban Fertilizer Ordinances on Water Quality*. Publication SL511, Soil and Water Sciences Department, UF|IFAS (2024). <https://edis.ifas.ufl.edu/publication/SS724>

McDonnell L., M. C. Monroe, F. Beoles, T. Mashour, and **B. V. Iannone III**. *Land Use in the Wildland-Urban Interface: Urban Sprawl and Smart Growth*. Publication FOR199, School of Forest, Fisheries, and Geomatics Sciences, UF|IFAS. (2024). <https://edis.ifas.ufl.edu/publication/FR260>.

Malakhova, O., W. L. Wilber, S. B. Wilson, K. A. Russo, J. C. Jones, B. L. Moffis, J. S. Walker, and **B. V. Iannone III**. Getting into the “Weeds”: An Introduction to Common Lawn Plants and Their Ecological benefits in North Central Florida. Publication FOR388, School of Forest, Fisheries, and Geomatics Sciences, UF|IFAS. (2023). <https://edis.ifas.ufl.edu/publication/FR459>

McDonnell, M. C. Monroe, and **B. V. Iannone III**. *Land Conservation Tools and Zoning*. Publication FOR256, School of Forest, Fisheries, and Geomatics Sciences, UF|IFAS. (2023). <https://edis.ifas.ufl.edu/publication/FR256>.

Bourassa, B. M., S. A. Johnson, M. D. Havelka, and **B. V. Iannone III**. *Venomous Snakes and Lizards of New Mexico*. Publication WEC458, Department of Wildlife Ecology and Conservation, UF|IFAS. (2023). <https://edis.ifas.ufl.edu/publication/UW503> Available through the New Mexico Fish and Game, the New Mexico Herpetological Society, and New Mexico State University Extension websites.

Iannone III, B. V., T. McIntyre, A. J. Reisinger, E. Z. Bean, A. Tyrna, and B. L. Moffis. *Spatial Considerations Needed when Balancing Land Conservation and Development*. Publication FOR380, School of Forest, Fisheries, and Geomatics Sciences, UF|IFAS. (2022). <https://edis.ifas.ufl.edu/publication/FR451>.

- Iannone III, B. V.**, E. C. Bell, S. Carnevale, M. Main, J. E. Hill, J. B. McConnel, S. F. Enloe, S. A. Johnson, J. P. Cuda, S. M. Baker, and M. Andreu. *Standardized Invasive Species Terminology for Effective Education of Floridians*. Publication FOR370, School of Forest, Fisheries, and Geomatics Sciences, UF|IFAS. (2021). <https://edis.ifas.ufl.edu/publication/FR439>.
- Hess, K. M., T. Clem, and **B. V. Iannone III**. *Stop Wasting Resources: Utilizing Native Plants from Pre-developed Sites*. Publication FOR373, School of Forest, Fisheries, and Geomatics Sciences, UF|IFAS. (2021). <https://edis.ifas.ufl.edu/publication/FR442>.
- Chen, B., and **B. V. Iannone III**. *FRAGSTATS: A Free Tool for Quantifying and Evaluating Spatial Patterns*. Publication FOR362, School of Forest Resources and Conservation Department, UF|IFAS. (2020). <https://edis.ifas.ufl.edu/fr431>.
- Flenneking, J. M., S. Stuglick, and **B. V. Iannone III**. *Quantum GIS (QGIS): An Introduction to a Free Alternative to More Costly GIS Platforms*. Publication FOR359, School of Forest Resources and Conservation Department, UF|IFAS. (2020) <https://edis.ifas.ufl.edu/fr428>.
- Nighswander, G. P., M. E. Szoka, K. M. Hess, E. Z. Bean, G. Hansen de Chapman, and **B. V. Iannone III**. *A Database on Trait-Based Selection of Stormwater Pond Plants*. Publication FOR347, School of Forest Resources and Conservation Department, UF|IFAS. (2019). <https://edis.ifas.ufl.edu/fr416>.
- Escobedo, F., J. A. Seitz, W. Zipperer, and **B. V. Iannone III**. *Gainesville's Urban Forest Structure and Composition*. Publication FOR2014, School of Forest Resources and Conservation Department, UF|IFAS. (2019). <http://edis.ifas.ufl.edu/fr276>.
- Empke, E. K., E. Becker, J. Lab, R. Hinkle, Escobedo, F., and **B. V. Iannone III**. *Orlando, Florida's Urban and Community Forests and Their Ecosystem Services*. Publication FOR290, School of Forest Resources and Conservation Department, UF|IFAS. (2018). <http://edis.ifas.ufl.edu/fr358>.
- Escobedo, F., S. Varela, C. Staudhammer, B. Thompson, J. Jarratt, and **B. V. Iannone III**. *Pensacola and Southern Escambia County, Florida's Urban Forests*. Publication FOR231, School of Forest Resources and Conservation Department, UF|IFAS. (2019). <https://edis.ifas.ufl.edu/fr293>.
- Escobedo, F., J. A. Seitz, W. Zipperer, and **B. V. Iannone III**. *Air Pollution Removal and Temperature Reduction by Gainesville's Urban Forest*. Publication FOR216, School of Forest Resources and Conservation Department, UF|IFAS. (2018). <https://edis.ifas.ufl.edu/fr278>.
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Scientific Reports

Iannone III, B. V. 2022. *Project Update for Restoring Food Web Resources in Residential Landscapes: Are Native Landscaping Plants Helping?* Report for The Nature Conservancy-Florida Chapter. pages 6.

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Moffis, B. L., R. Pitilon, A. Pandolfi, M. Burdett, P. J. Bohlen, and **B. V. Iannone III**. 2022. *Evaluating Native Plant Health, Soil Properties, and Ecosystem Benefits in an Urban Development: A Collaborative Approach*. Project update for The Nature Conservancy Florida Chapter. pages 1.

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Iannone III, B. V., and S. M. Galatowitsch. 2008. *Wet Meadow Revegetation Following Invasive Plant Control*. Minnesota Dept. of Transportation Research Service Division, St. Paul, MN. pages 61. <http://conservancy.umn.edu/handle/11299/151676>.

Newsletters & Blogs

Iannone III, B. V. 2023. Landscapes Reimagined: Private-Academic-NGO Collaboration Driving More Environmentally Responsible Land Development Practices. In *UF|IFAS Center for Land Use Efficiency 2022 Annual Report*. pages 10-11. [Link](#).

Iannone III, B. V. and P. F. Monaghan. 2022. Stormwater Pond Plantings: We Need your Help in Determining their Benefits and Strategies for Promoting Their Adoption. In *Florida LAKEWATCH Summer 2022 Newsletter*. [Link](#).

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Iannone III, B. V. 2020. Using Alternative Native Groundcover Species to Increase Native Biodiversity in Florida Landscapes. In *UF|IFAS Center for Land Use Efficiency 2020 Annual Report*. pages 12-13. [Link](#).

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Iannone III, B. V. 2018. Understanding Spatial Ecology in and Around Residential Landscapes. In *UF|IFAS Center for Landscape Conservation and Ecology 2017-2018 Annual Report*. pages 24-24. [Link](#).

GRANTS AWARDED

US\$3.57M in funding since 2016 (external awards = US\$2.58M, internal awards = US\$717K and In-kind contributions from non-academic partners = US\$274K)

- 2026 U.S. EPA Clean Water Act 2021 319(h) Program. (Selected by FL DEP for funding; Pending US EPA approval) *Reducing Irrigation and Nutrient Runoff by Balancing Landscaping Aesthetics with Irrigation Savings across Florida's Varying Development Soils.* **Iannone III, B. V.**, E. Z. Bean, J. Fields, C. Lewis, T. A. Wichman, B. L. Moffis, A. S. Marek, and A. O. Wells. (US\$228,947).
- 2025 Renewable Resources Extension Act. *Developing Drone-Based Approaches for Quantifying Vegetation Derived Ecosystem Services Along the Wildland-Urban Interface.* **Iannone III, B. V.** (US\$4,880).
- 2025 Florida Nursery Growers and Landscaping Association Research Endowment Funding. *Developing Best Practices for Plant Recommendations and Guidelines for Low Water Landscapes Plant Materials throughout Florida.* Fields, J., E. Z. Bean, and **Iannone III, B. V.** (US\$6,363).
- 2025 The Nature Conservancy-Florida Chapter. *An integrated, collaborative approach to reducing the footprint of land development: SF-BMP Living Laboratories.* **Iannone III, B. V.**, M. Dukes, E. Z. Bean, and C. L. Lewis. (US\$27,000).
- 2024 UF/IFAS Center for Land Use Efficiency Program Enhancement Award. *Enhancing research and extension outputs on the benefits of native plants in two types of urban designed ecosystems.* **Iannone III, B. V.** (US\$30,000).
- 2023 U.S. NSF DISES Program. *DISES: Valuing and managing anthropized ecosystems: primary and secondary services provided by stormwater ponds in urban landscapes.* Reisinger, A. J., Laughinghouse, H. D., Monaghan, P., Savchenko, O., Atkinson, M., Bean, E. Z., **Iannone III, B. V.** and Smidt, S. (US\$1,599,994).
- 2023 U.S. EPA Clean Water Act 2021 319(h) Program. *Integrating educational and research activities to promote stormwater pond plantings as BMPs.* **Iannone III, B. V.**, Monaghan, P. F., Atkinson M. K., Reisinger, A. J., Lusk, M., Bean, E. Z. (US\$196,761).
- 2023 UF/IFAS Center for Land Use Efficiency Program Enhancement Award. *Restoring food web resources in residential landscapes: are native landscaping plants helping?* **Iannone III, B. V.**, Bohlen, P., Dale, A. G., Hostetler, M., Jones, P. and Kipp, J. (US\$15,000).
- 2023 UF/IFAS Center for Land Use Efficiency Program Enhancement Award. *Developing frogfruit for widespread use in Florida landscapes.* Kenworth, K., Dale, A. G., **Iannone III, B. V.**, Lindsey, A. J., Unruh, J. B. (US\$28,100).

- 2023 USDA RREA Funding. Capitalizing on a stormwater management project for environmental Extension/outreach. **Iannone III, B. V.** (US\$4,400).
- 2023 USDA McIntire-Stennis. Enhancing the Ecological Value of Residential Landscapes. **Iannone III, B. V.** (US\$5,000).
- 2022 Sunbridge Stewardship District and Tavistock Group. Native landscaping in master planned communities: identifying suitable species and establishment methods. Kipp, J., Jones, P., and **Iannone III, B. V.** (US\$65,737).
- 2022 The Nature Conservancy Florida Chapter. The triple bottom line of reduced impact residential landscape designs – SF-BMP living laboratories. Kipp, J., Jones, P., and **Iannone III, B. V.** (US\$30,000).
- 2022 UF|IFAS Center for Land Use Efficiency Program Enhancement Award. Restoring food web resources in residential landscapes: are native landscaping plants helping? **Iannone III, B. V.**, Bohlen, P., Dale, A. G., Hostetler, M., Jones, P. and Kipp, J. (US\$30,000).
- 2022 USDA McIntire-Stennis. Enhancing the Ecological Value of Residential Landscapes. **Iannone III, B. V.** (US\$6,000).
- 2021 Federal University of ABC, Brazil, Undergraduate Research Support. Effects of residential landscape design and trees on household electricity consumption. Vasconcelos, V. and **Iannone III, B. V.** (US\$860).
- 2021 Florida Nursery Growers and Landscaping Association. Effects of plant diversity, structure, and management to ecosystem services in residential landscaping. **Iannone III, B. V.** and Jones, J. C. (US\$5,000).
- 2020 UF|IFAS Center for Land Use Efficiency Program Enhancement Award. Developing predictive models of ecosystem services in residential yards to inform ecologically beneficial landscaping design. **Iannone III, B. V.**, Broadbent, E., Dale, A. G., Kipp, J., Qiu, J., Taylor, N., Telg, R., Vasconcelos, V. and Wilber, W. (US\$35,000).
- 2021 Fish & Wildlife Foundation of Florida through The Nature Conservancy Florida Chapter. Irrigation-free residential landscapes in Florida's Springs Region. Kipp, J., Jones, P., and **Iannone III, B. V.** (US\$49,900).
- 2021 Sunbridge Stewardship District. Sunbridge Stewardship District: SF-BMP Phase I Task Order. Kipp, J., Jones, P., and **Iannone III, B. V.** (US\$49,830).
- 2021 Columnar Holdings, LLC. UF|IFAS SF-BMP & Sustanee: Phase I scope & services proposal. Kipp, J., Jones, P., and **Iannone III, B. V.** (US\$60,068).

- 2021 USDA McIntire-Stennis. Residential landscape ecology. **Iannone III, B. V.** (US\$6,500).
- 2020 UF|IFAS Experimental Research Station. How much does your landscape cost to maintain? Increasing consumer awareness and developer incentive to promote early adoption of sustainable landscaping. **Iannone III, B. V.**, Wilber, W., Qiu, J., Dale, A., Broadbent, E., Kipp, J., Telg, R., and Taylor, N. (US\$72,660).
- 2020 UF|IFAS Center for Land Use Efficiency Equipment Funding. Stormwater pond projects multiparameter meter for water testing. **Iannone III, B. V.** and Atkinson, M. (US\$3,850).
- 2020 UF|IFAS Center for Land Use Efficiency Student Support Funding. Undergraduate training in residential landscape ecology. **Iannone III, B. V.** (US\$15,000).
- 2020 UF|IFAS Center for Land Use Efficiency Funding Program. Biogeochemical effects of littoral shelf plants in stormwater ponds. Reisinger, A.J., Atkinson, M., Bean, E. Z., **Iannone III, B. V.**, Lusk M., and Smyth, A. (US\$16,429).
- 2020 USDA Specialty Crop Research Initiative Program. Assessing best management practices, design options, and public perceptions towards a new iconic American lawn. Wickings, K., Dale, A., Gardiner, M., Atallah, S., Brooks, J., **Iannone III, B. V.**, Khachatryan, H., and Lerner, J., Lampman, J., Nowak, D., Shetlar, D., Unruh, B., Wilber, W. and Wilson, S. (US\$49,214).
- 2019 UF|IFAS Center for Land Use Efficiency Graduate Student Funding. Common ornamental plant species and varieties: will overuse and re-expression of invasive traits contribute to future invasions? **Iannone III, B. V.**, Wilson, S. B., and Hansen, G. (US\$60,000).
- 2019 UF|IFAS Center for Land Use Efficiency Student Internship Program. Common ornamental plants and cultivars: over-reliance in urban landscapes as a driver of future plant invasions. **Iannone III, B. V.** (US\$5,000).
- 2019 City of Gainesville, FL. Compost topdressing as a sustainable management approach to multipurpose fields in Gainesville city parks. Reisinger, A. J., Bean, E. Z., and **Iannone III, B. V.** (US\$7,367).
- 2019 USDA RREA Extension Funding. **Iannone III, B. V.** (US\$1,000).
- 2019 US Forest Service Coop Agreement. Contribution of invariable ornamental plant choice to invasion. **Iannone III, B. V.** and Zipperer, W. (US\$20,000). *Funding rescinded due to budget cuts.*

- 2018 UF|IFAS Travel Awards for Research Grant Enhancement. *Sustainable urban landscapes.* **Iannone III, B. V.**, Dukes, M., Bean, E. Z., Reisinger, A. J., and Monaghan, P. (US\$18,510).
- 2018 UF|IFAS Travel Awards for Research Grant Enhancement. *Biological invasions and ecosystem services in a changing world.* Flory, S. L., Qiu, J., Hui-Ling, L., **Iannone III, B. V.**, Behringer, D. C., Reisinger, L., and Baiser, B. (US\$10,458).
- 2018 USDA National Institute of Food and Agriculture. *Increasing lawn diversity to promote biodiversity and reduce management inputs in urban landscapes.* Dale, A., **Iannone III, B. V.**, Shaddox, T., Unruh, B. J., and Milla-Lewis, S. (US\$324,996).
- 2018 Florida Fish and Wildlife Conservation Commission. *Will overuse of ornamental species and re-expression of invasive traits contribute to future invasions?* **Iannone III, B. V.**, Hansen, G., and Wilson, S. B. (US\$27,000).
- 2017 UF|IFAS Experimental Research Station. *Are stormwater ponds invasion vectors? Assessing the effects of an abundant engineered ecosystem on plant invasions across multiple spatial scales.* **Iannone III, B. V.**, Adams, C., Bean, E., and Reisinger, A. J. (US\$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., and **Iannone III, B. V.** (US\$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 III, B. V.**, Atkison, M., Lusk, M., Bean, E. Z., and Monaghan, P. (US\$5,000).
- 2017 USDA RREA Funding. *Developing a sustainable human and ecological development (SHED) web portal.* **Iannone III, B. V.**, Barrera, J., Bean, E., Jones, P., Searcy, J. K., and Reisinger, A. J. (US\$5,400).
- 2017 UF|IFAS Center for Landscape Ecology and Conservation Program Enhancement Funding. *Developing a living lab to inform water conservation practices in residential landscapes.* **Iannone III, B. V.**, Barrera, J., Bean, E. Z., Jones, P., Kipp Searcy, J., and Kolluri, L. (US\$42,000)
- 2016 UF|IFAS 2017 Early Career Scientist Seed Funding Program. *The effects of turf grass diversity on arthropod pests and biological control in urban landscapes.* Dale, A. G., **Iannone III, B. V.**, Dukes M. D., and Momol, E. (US\$50,000).

- 2016 UF|IFAS 2017 Early Career Scientist Seed Funding Program. *Evaluating the contribution of biotic complexity to pest control in ornamental plant communities*. **Iannone III, B. V.**, Dale A. G., Dukes, M. D., and Momol, E. (US\$50,000).
- 2016 USDA RREA Funding. *Costs of managing conservation lands within residential developments*. **Iannone III, B. V.** (US\$3,450).
- 2013 Research Open Access Article Publishing (ROAAP) Fund. University of Illinois at Chicago (US\$1,500).
- 2012 ESA Student Travel Award. Awarded by the Soil Ecology Section of the Ecological Society of America (US\$400).
- 2012 Dept. of Biological Sciences Travel Award. Two-time recipient. University of Illinois at Chicago (US\$600 per award).
- 2011 Garden Club of America Zone VI Fellowship in Urban Forestry. Funded by the Casey Tree Endowment Fund (US\$4,000).
- 2011 & 2006 J.E. Weaver Competitive Grant. Two-time recipient. Funded by the Nebraska Chapter of The Nature Conservancy (US\$1,000 per award).
- 2010 Elmore Hadley Award for Research in Ecology and Evolution. Dept. of Biological Science, University of Illinois at Chicago (US\$900).
- 2006 Ecology, Evolution, and Behavior Block Grant. Administered through the Dept. of Ecology, Evolution, and Behavior, University of Minnesota (US\$1,250).
- 2006 Florence Rothman Fellowship. Administered through the College of Biological Sciences, University of Minnesota, Minneapolis, MN (US\$1,000).
- 2005 Dayton-Wilkie Natural History Fund. Administered through the Bell Museum of Natural History, Minneapolis, MN (US\$1,000).

In-kind contributions from non-academic partners

Group	Date	Purpose	Amount
Quality By Design	Aug 2025 to May 2028	Covering costs associated with the Doing It Right (DIRT) Project (i.e., set-up and maintenance) which aims to: (1) identify ornamental plant species that can grow with little to no irrigation in degraded development soil conditions and (2) determine the degree to which soil compost amendments decrease irrigation demand and improve plant aesthetics	US\$192,000

LifeSoils LLC	Oct 2025	Covering costs for analyzing soils collected over a two-year period for the DIRT project	US\$15,436
LifeSoils LLC	Aug 2025	This compost company donated compost and installation services for the abovementioned DIRT project	US\$2,235
St Johns River Water Management District (SJRWMD)	Aug 2025	SJRWMD covered a part of the costs associated with shipping soil to the experimental site for the abovementioned experiment	US\$1,000
Manatee County, Florida	Jan 2021	Manatee County has committed these funds to plant stormwater ponds. These plantings were the focus of an integrated outreach-research U.S. EPA 319(h) project (project listed above)	US\$50,000
Lakewood Ranch Inter-District Authority	March 2018	Purchase of aquatic plants for the planting of 5 stormwater ponds used in an integrated outreach-research project	US\$4,523
Lakewood Ranch Inter-District Authority	June 2018	Purchase of terrestrial plants for the planting of 5 stormwater ponds used in an integrated outreach-research project	US\$9,374
		Total Received	US\$274,568

ACADEMIC MENTORING

Postdoctoral:

Dr. Vitor Vieira Vasconcelos
 Dr. James Sinclair

Graduate Students (degree level, status, program):

G. N. Tanjina Hasnat (Ph.D., current, Forest Resources & Conservation)
 Brooke L. Moffis (Ph.D., current, Interdisciplinary Ecology)
 Chamoda Dissanayake (Ph.D, current, Forest Resources & Conservation)
 Brandon Houghs (MS non-thesis, current, Forest Resources & Conservation)
 Gace Clements (MS non-thesis, current, Forest Resources & Conservation)
 Dylan Humenay (MS non-thesis, completed 2025, Forest Resources & Conservation)
 Chamoda Dissanayake (MS, completed 2024, Forest Resources & Conservation)
 Victoria Cope (MS, completed 2024, Forest Resources & Conservation)
 Brandon Bourassa (MS non-thesis, completed 2023, Forest Resources & Conservation)
 Gisele Nighswander (MS, completed 2019, Forest Resources & Conservation)
 Kayla Hess (MS, completed 2019, Forest Resources & Conservation)
 Rain Yates (MS non-thesis, completed 2019, Forest Resources & Conservation)

Committee Member (degree level, lead advisor, status, program):

Derya Yesilkusak (Ph.D., Dr. Thomas Hochtorr, current, Interdisciplinary Ecology)
 Haojie Coa (Ph.D., Dr. Jiangxiqiao Qiu, current, Interdisciplinary Ecology)
 Debra Stone (Ph.D., Dr. Michael Andreu, current, Forest Resources & Conservation)
 Gabriela Sullivan (MS, Dr. Sadie Hundemer, current, Agricultural Education & Communication)
 José M. Cajiga López (MS non-thesis, Dr. Michael Andreu, current, Forest Resources & Conservation)
 Cheyenne Stratton (Ph.D., Dr. Lindsey Reisinger, completed 2025, Fisheries & Aquatic Sciences)
 Pablo Agustin Boeri (Ph.D., Dr. J. Bryan Unruh, completed 2023, Environmental Horticulture)
 Emily Taylor (Ph.D., Dr. Alexander J. Reisinger, completed 2023, Soil, Water, & Ecosystem Sciences)
 Josh Epstein (Ph.D., Dr. Matthew Cohen, completed 2021, Forest Resources & Conservation)
 Erin Shea Hogan (MS, Dr. Kevin Kenworthy, completed 2025, Agronomy)
 Jordan Mannix-Lancherner (MS non-thesis, Dr. Daniel Johnson, completed 2024, Forest Resources & Conservation)
 Arek Barkaszi (MS, Dr. Mark Hostetler, completed 2024, Wildlife Ecology & Conservation)
 Tiffany Steward (MS, Dr. Michael Volk, completed 2023, Architectural Studies, Sustainable Design Concentration)
 Julia Rycyna (MS, Dr. Sandra B. Wilson, completed 2021, Horticultural Sciences)
 Olivia Cacciatore (MS, Dr. Matthew Cohen, completed 2020, Forest Resources & Conservation)
 Mohamad Ridlo (MS, Dr. Wendell Cropper, completed 2018, Forest Resources & Conservation)

Undergraduate Mentees (University of Florida):

Samantha Seitz, Matthew King, Maylet Perez, Gabriela Tateo, Grace Moricle, Tiffany Bainbridge, Jules Turner, Johanna Walker, Olesya Malakhova, Kacey Russo, Marc Grossberg, Jesse Jones, Ellie Sprick, Benxin Chen, Francis Dinsmore, Tess Flemma, Audrey Genest, Xiao Qin, Steven Stuglick, Allyson Holmes, Jeffrey Flenniken, Alex LoCastro

Undergraduate Theses:

2022-2023 Jo Walker. *Estimating nitrogen and phosphorus loads into stormwater ponds from nutrient-rich grass clippings*. University of Florida.
 2010–2011 Dev Rijal. *Developing a protocol for analysis of soil nitrate and ammonium using microplate-based spectrophotometry*. University of Illinois at Chicago.
 2009–2010 Lindsey Day. *Chicago area Rhamnus cathartica growth rates and their relation to historical climatic data*. University of Illinois at Chicago.

Mentee Accomplishments (2016-Present): Collectively, my mentees have received 13 awards/fellowships, 13 grants, and have given 56 oral (16 invited) and 31 poster presentations at local, state, national, and international meetings. I view these accomplishments as evidence of my effective mentoring. I include a list of mentee honors and grants at the end of my C.V.

OUTREACH & EXTENSION
(Translating Science to Improve Society)

Situation: Urban and residential landscapes are the most rapidly expanding land cover type globally. *My outreach work facilitates the adoption of environmentally responsible land development and landscaping practices by increasing both the ecological understanding of urban landscapes and the adoption of practices that can enhance their ecological value.* I meet this overarching goal through the two following outreach programs:

Program 1: Enhancing the Ecological Benefits of Urban and Residential Landscapes via Education and Capacity Building (Short-term goal)

Goal: Increase audience understanding of, and agent capacity to educate on, (a) the ecology of urban and residential landscapes and (b) strategies to enhance urban native biodiversity and the ecological benefits provided by urban and residential landscapes.

Target audience: County extension faculty and others interested in urban biodiversity and ecology (e.g., gardening enthusiasts, landscapers, Master Gardener Volunteers).

Program 2: Designing, Constructing, and Managing Ecologically Beneficial Urban and Residential Landscapes: Real-World Application (Long-term goal)

Goal: Increase the implementation of development and landscaping strategies that enhance native biodiversity and the ecological benefits of urban and residential landscapes.

Target audience: Those involved in design, construction, and management of urban and residential landscapes, e.g., land developers, urban planners, landscape architects, green industry professionals, plant producers, and municipal, county, and state leaders.

Overview of Outreach Activities and Audience Connections (Aug 2016-Dec 2025)

38 funded proposals having outreach components			
Activity	Number	Attendance	Contact hours
Consultations	234	548	2,067.5
In-service trainings	4	64	443
Workshops	21	166	844
Presentations/Webinars	51	4,533	6,385.5
Citizen science days	5	95	312
Websites	1	16,425 views	N/A
Outreach databases*	4	5,565 views	N/A
Outreach publications	21	136,128 views	N/A

* These databases provide information on free tools for spatial analysis and on traits of native plant species well-suited for urban and residential landscapes.

Highlighted Success of Outreach Programs (Examples of the impacts that I work towards)

- 85%-100% of 104 surveyed IST and presentation attendees stated a moderate to extreme increase in willingness to work with non-traditional audiences to mitigate the environmental impacts of landscaping practices and land development.
- 80%-100% of 485 surveyed IST and presentation attendees stated moderate to extreme increases in ecological understanding of designed and urban ecosystems, and an increase in willingness to implement strategies to enhance biodiversity and ecological benefits in urban and residential landscapes.
- Manatee County, FL. Government officials adopted stormwater pond plantings as a strategy to improve water quality and improve pond bank stabilization.
- Municipal Leaders in Ferdinando Beach, FL are considering adding pre-development salvaging of native plants to the City's land development code.
- Two land development companies now incorporate scientific studies into ongoing 37,000-home and 20,000 plus-home land development projects in central and northeastern Florida, U.S. These investigations inform future land development and landscaping practices.
- One of the abovementioned developers is incorporating soil-compost amendments and no-turf, native plant-dominated landscaping into the yards of 300 homes of their next development phase, resulting in greatly reduced usage of irrigation, fertilizers, and pesticides, and reduced CO₂ emissions.
- One of the abovementioned developers has written homeowner association codes that prevent homeowners from removing drought-tolerant landscaping and that educates homeowners on how to maintain landscapes using 2/3 less irrigation.
- 31% to 65% of land set aside for conservation in two land development projects.
- OUTSIDE Sustainable Landscape Collaborative ([Link](#)) developed a free landscaping pattern book ([Link](#)) aimed at increasing the sustainability, native biodiversity, and ecological functionality of residential landscaping in central and northern Florida.
- Landscape design company has invested nearly US\$200,000 to implement a large field experiment at their plant nursery aimed at: (1) identifying ornamental plant species that thrive in different development soils with little to no irrigation and (2) determining the effects of soil compost amendments on plant health and irrigation savings.
- 210 people have visited the abovementioned research to learn about the project, including water regulators, home builders, landscaping professionals, and staff of state representatives.

TEACHING ACTIVITIES

- 2025 Invited Lecturer. *Mitigating the impacts of land development through translational ecology*. BIOL 415 Ecology and Management of Forest Ecosystems. Department of Natural Sciences, University of Wisconsin-Superior.
- 2025 Invited Lecturer. *Stormwater ponds: the functionality and ecology of a ubiquitous engineered ecosystem*. FNR 4090, Urban Forestry. School of Forest, Fisheries, and Geomatics Sciences, University of Florida.
- 2025 Invited Lecturer. *Alternative landscaping: strategies to conserve water and increase biodiversity in new residential developments*. FNR 4090, Urban Forestry. School of Forest, Fisheries, and Geomatics Sciences, University of Florida.
- 2023-Present Invited Lecturer. *Residential landscapes and lawns: potential to increase ecological benefits and biodiversity*. HOS 6932, Advanced Turfgrass Research: Environmental Horticultural Department, University of Florida.
- 2021-Present Invited Lecturer. *Standardizing terminology for invasive species outreach*. FNR 3401C, Natural Resource Sampling. School of Forest, Fisheries, and Geomatics Sciences, University of Florida.
- 2021 Invited Lecturer. *Reconciliation ecology in expanding residential landscapes: a case study from non-traditional urban Extension*. BIO 531, Intro to Ecology and Evolution. Department of Biology, University of Illinois at Chicago.
- 2021 Invited Lecturer. *Urbanization and stormwater management as drivers of urban plant invasions*. FOWS 5340, Invasion Ecology. College of Forestry, Wildlife, and Environment, Auburn University.
- 2019-2024. Instructor. FNR 6933, *Professional Development for Natural Resource Careers*. School of Forest, Fisheries, and Geomatics Sciences, University of Florida.
- 2019-2021 Instructor. FOR 6934, *Sustainable Human and Ecological Development Seminar*. School of Forest, Fisheries, and Geomatics Sciences, University of Florida.
- 2016-Present Invited Lecturer. *Forest of the upper Midwestern USA: common species and common challenges*. FNR 3131C, Dendrology and Forest Plants. School of Forest, Fisheries, and Geomatics Sciences, University of Florida.
- 2019-Present Invited Lecturer. *The ecological potential of stormwater ponds*. FOR 4090, Urban Forestry. School of Forest, Fisheries, and Geomatics Sciences, University of Florida.
- 2018 Invited Lecturer. *Introduction to the Residential Landscape Ecology Lab*. GPT 3200, Foundations in Natural Resources and Conservation. School of Forest, Fisheries, and Geomatics Sciences, University of Florida.

- 2017-2018 Instructor. FOR 6933, *Graduate Student Seminar*. School of Forest, Fisheries, and Geomatics Sciences, University of Florida. Co-Taught with Dr. Jason Smith.
- 2017 Instructor. FNR 4461, *Spatial Models and Decision Analysis*. School of Forest, Fisheries, and Geomatics Sciences, 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 manipulative and natural experiments with an individual-based model to study shrub invasions*. BIOS 531, Intro 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.

INVITED PRESENTATIONS

(Conferences, Meetings, and Outreach; List of all talks available upon request)

Iannone III, B. V. 2025. *Designed Ecosystems: An Opportunity Space for Native Plantings in Urban Landscapes*. Groundcover Restoration & Enhancement Workshop. Gainesville, FL

- Dukes, M., **B. V. Iannone III**, C. Lewis, N. Taylor. 2025. *Landscapes for a Smarter Sustainable Future*. Florida Nursery Growers and Landscape Association's Landscape Show. Orlando, FL.
- Iannone III, B. V.** 2025. *Mitigating the Impacts of Residential Land Development through Native Plant Landscaping: A Translational Approach*. Florida Native Plant Society 43rd Conference. Gainesville, FL.
- Iannone III, B. V.** 2025. *Life in the Landscape: Exploring Ecological Relationships*. Cultivating Curiosity Podcast. Hosted by Vinson, A. and Clem, T. (April 4, 2025), Nassau County, FL (Invited; Oral). Available at [Link](#).
- Iannone III, B. V.** 2025. *Alternative Landscaping as a Conservation Strategy in Expanding Residential Landscapes*. South Florida Arboriculture and Landscape Professional Webinar Series. Hosted by UF|IFAS Palm Beach Extension Office's Environmental Horticultural Program. [Link](#).
- Iannone III, B. V.**, P. Jones, C. W. Kelcourse. 2025. *From Plate to Planet: A Discussion of Utilizing Food Waste to Improve Urban Soil Health*. JEPB-UNF Environmental Symposium. Jacksonville, FL.
- Iannone III, B. V.**, N. Taylor, and B. L. Moffis. 2024. *Informing Future Policies: Landscaping Solutions and Resources to Address Florida's Growing Water Demand*. 2024 Innovation & Policy Conference of the Florida Association of Counties. Species Session: Water & Environmental Sustainability Committee. Pensacola Beach, FL.
- Iannone III, B. V.**, N. Taylor, and B. L. Moffis. 2024. *Landscaping Solutions and Resources to Address Florida's Growing Water Demand*. Annual Meeting of the Florida Local Environmental Resource Agencies. Pensacola Beach, FL.
- Iannone III, B. V.** 2024. *Alternative Landscaping as a Conservation Strategy in Expanding Residential Landscapes*. South Florida Arboriculture and Landscape Webinar Series. Hosted by Brevard, Broward, Martin, Miami-Dade, and Palm Beach County Extension. Virtual.
- Iannone III, B. V.** Other members: R. Levey, T. Sallin, and H. Isaacs. 2024. *Alternative Landscape Panel*. UF|IFAS 2024 Urban Landscape Summit. Gainesville, FL.
- Iannone III, B. V.**, P. Bohlen, R. Levey, B. L. Moffis, 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.
- Iannone III, B. V.** 2024. *Stormwater Ponds: Assessing Utility, Impacts, and Potential Contributions to Urban Biodiversity*. Pelican Island Audubon Society's 5th Transforming Landscapes for a Sustainable Future. Vero Beach, FL.

- Iannone III, B. V.**, P. Bohlen, A. Dale, V. Cope, M. Hagaman, A. Pandolfi, B. Moffis, S. Kipp, and P. Jones. 2023. *Enhancing invertebrate communities through sustainable landscaping practices in a new suburban development*. Entomological Society of America 2023 Annual Meeting. National Harbor, MD.
- Iannone III, B. V.**, J. Kipp, L. Jerome. 2023. *Soil Health and Native Plants: Business Opportunities to Address Water Shortages in Florida's Urban Land Development*. University of Florida InnOvation Showcase. Gainesville, FL.
- Iannone III, B. V.** and B. L. Moffis. 2023. *Native Plants as a Water Conservation Strategy in New Residential Developments*. UF|IFAS Extension Symposium, Future of Urban Landscapes Session. University of Florida, Gainesville, FL.
- Iannone III, B. V.** 2023. *Potential Environmental Benefits of Stormwater Pond Plants*. Annual Coastal Stormwater Management in the Florida Panhandle Meeting. Virtual. Jointly hosted by UF|IFAS and Florida Sea Grant.
- Iannone III, B. V.**, N. Bissett, and T. Springer. 2023. *Groundcover Enhancement in Urban Areas Panel*. Groundcover Restoration & Enhancement Workshop. University of Florida Austin Carey Forest. Gainesville, FL.
- Iannone III, B. V.**, P. J. Bohlen, B. L. Moffis, M. Russell, and J. Kipp. 2022. *Living Laboratory Research Plots and Sunbridge Panel*. OUTSIDE Collab 2022, Let's Shift the Florida Landscape Paradigm. Lake Nona, FL. [Link](#).
- Iannone III, B. V.** 2022. *Opportunities for more ecologically beneficial urban landscaping*. 38th Florida Master Gardener Volunteer Conference. Kissimmee, FL.
- Iannone III, B. V.** 2022. *Weslyn Park Development: An example of how private-academic research collaborations advance sustainable development goals*. The Nature Conservancy Florida Board of Trustees Annual Gala and Meeting. Sunbridge Stewardship District, FL.
- Iannone III, B. V.** 2022. *Stormwater ponds: the ecology, benefits, and environmental impacts of an expanding designer ecosystem*. Alachua County Master Gardener Monthly Meeting. Alachua County Extension Office, Newberry, FL.
- Iannone III, B. V.** 2022. *Designing and promoting more environmentally beneficial landscapes*. How to Build a Sustainable Landscape Zoom Webinar Series. Sponsored by Broward, Miami-Dade, and Palm Beach County Extension. Virtual.
- Iannone III, B. V.** 2022. *Native lawn plants: ecological benefits and feasibility*. Certified Pest Control and Operator Course. Manatee County, FL. Virtual.
- Iannone III, B. V.** and P. F. Monaghan. 2022. *Stormwater pond plantings: benefits to water quality & strategies to promote adoption*. Florida Water Stewardship Program-Stormwater Ponds Course. Bradenton, FL.

- Iannone III, B. V.** 2022. *Opportunities for designing and promoting more environmentally beneficial urban landscaping*. Landscape Inspectors Association of Florida Monthly Meeting. Virtual Statewide Webinar.
- Iannone III, B. V.** 2021. *Designing urban landscapes to enhance biodiversity, ecological benefits, and services*. Ecology and Evolution Seminar Series, Department of Biology, University of Illinois at Chicago. Chicago, IL.
- Iannone III, B. V.** 2021. *Stormwater ponds: unintended invasive plant habitat in urbanizing landscapes*. Update Meeting of the Global Urban Biological Invasion Consortium (GUBIC). Toronto, Canada. Virtual due to COVID-19. Available at [Link](#).
- Iannone III, B. V.** 2021. *Standardizing terminology for invasive species outreach*. Everglades Invasive Species Summit. Online. Virtual due to COVID-19.
- Iannone III, B. V.** 2021. *Standardizing terminology for invasive species outreach*. Florida Cooperative Invasive Species Management Areas Monthly Call, June 2021. Virtual. Available at [Link](#).
- Iannone III, B. V.**, A. J. Reisinger, E. Z. Bean, M. G. Lusk, M. K. Atkinson, and P. F. Monaghan. 2021. *Stormwater pond plantings: discussion of research needs*. Monthly Meeting of the Tampa Bay Estuary Program Technical Advisory Panel. Virtual.
- Iannone III, B. V.** and B. Falls. 2021. *Stormwater planting for nutrient management*. Water Ambassador Program Lunch and Learn Webinar. Virtual.
- Iannone III, B. V.** 2021. *Standardizing terminology for invasive species outreach*. UF|IFAS Invasive Species Council Webinar Series. Virtual.
- Iannone III, B. V.** 2021. *Designing landscapes to reduce pest pressure*. Annual Florida Nursery, Growers, and Landscaping Association Trade Show. Jacksonville, FL.
- Iannone III, B. V.** and W. L. Wilber. 2021. *Increasing landscape biodiversity with Florida native groundcovers*. 2021 Urban Landscape Summit. University of Florida. Gainesville, FL. Virtual due to COVID-19. Available at [Link](#).
- Iannone III, B. V.** 2021. *Incorporating native plants into lawns: ecological benefits and feasibility*. Monthly Meeting of the Pawpaw Chapter of the Florida Native Plant Society. South Daytona Beach, FL. Virtual due to COVID-19.
- Iannone III, B. V.** 2021. *Stormwater ponds: assessing utility, impacts, and potential contributions to urban biodiversity*. Fisheries and Aquatic Sciences Programmatic Seminar Series, School of Forest, Fisheries, and Geomatics Sciences. University of Florida. Gainesville, FL. Virtual due to COVID-19.

- Iannone III, B. V.**, J. S. Sinclair, G. Nighswander, K. M. Hess, and L. S. Reisinger. 2020. *Responses of arthropod communities to vegetation structure and diversity: cross-scale considerations for enhanced biodiversity in residential landscapes*. International Association of Landscape Ecology-North American Chapter Annual Meeting. Toronto, Canada.
- Iannone III, B. V.** 2020. *Stormwater ponds: abundant habitat for invasive plants*. Annual Aquatic Weed Control Short Course. UFIFAS. Coral Springs, FL.
- Iannone III, B. V.** 2020. *Manipulating plants to enhance the ecological benefits of designed ecosystems*. Southwest Regional Master Gardener Conference. Remote Conference.
- Iannone III, B. V.** and B. L. Moffis. 2020. *Ecological benefits and feasibility of more diverse lawns*. Central District Florida-Friendly Landscaping Agents In-Service Training. Virtual.
- Iannone III, B. V.** and B. L. Moffis. 2020. *The Mixed-Up Lawn. Extension Cord Podcast*. Hosted by Clem, T. (July 10, 2020), Alachua County Extension. Available at [Link](#).
- Iannone III, B. V.** 2020. *Introduction to residential landscape ecology*. Lake County Florida Nursery Growers and Landscaping Association Meeting. Lake County Extension Office, FL.
- Iannone III, B. V.**, K. M. Potter, Q. Guo, I. Jo, C. M. Oswalt, and S. Fei. 2019. *Using FIA data to detect drivers of spatial heterogeneity in phylogenetic-invasion relationships*. 2019 Forest Inventory and Analysis Stakeholders Science Meeting. Knoxville, TN.
- Iannone III, B. V.** 2019. *Manipulating plants to enhance the ecological benefits of designed ecosystems*. Master Gardener Holiday Luncheon. Duval County Extension Office, FL.
- Iannone III, B. V.** 2019. *Biodiversity and ecosystem services: understanding key ecological principles within the context of urban and residential landscapes*. Florida Master Gardeners Webinar Series. Virtual.
- Iannone III, B. V.** 2019. *Potential to enhance biodiversity and ecosystem functionality within residential landscapes*. Florida Master Gardeners Business Meeting. Marion County Extension Office, FL.
- Iannone III, B. V.** 2019. *Residential landscape ecology: understanding the ecological patterns and processes of the faster growing land cover in the U.S.* Florida Master Gardeners Business Meeting. Lake County Extension Office, FL.
- Iannone III, B. V.** and J. S. Sinclair. 2018. *Stormwater ponds: the role of an abundant engineered ecosystem on plant invasions*. Water, Wetlands, & Watershed Seminar. University of Florida Howard T. Odum Center for Wetlands. Gainesville, FL.
- Iannone III, B. V.** 2017. *Benefits of plants and biodiversity in stormwater ponds*. South Central District Green Team Meeting on Stormwater Ponds. Lakewood Ranch, FL.

- Iannone III, B. V.** 2017. *Biological invasions: the need to consider nuances in definitions*. Natural Resource Urban Sustainability IST. University of Florida, Austin Cary Forest. Gainesville, FL.
- Iannone III, B. V.** 2017. *Considering biodiversity to meet FFL™ principles*. In symposium entitled “Florida Friendly Landscaping™ in the Ecosystems Services Framework.” UF|IFAS Extension Symposium. Gainesville, FL.
- Iannone III, B. V.** 2016. *Geospatial analysis of sustainable and resilient land development*. UF|IFAS Center for Landscape Conservation and Ecology Annual Advisory Board Meeting. Citra, FL.
- Iannone III, B. V.** 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 III, B. V.** 2015. *European buckthorn: multi-study approach reveals improved ecological understanding and management recommendations*. Forest Health, Insect, and Disease Briefing. Boalsburg, PA.
- Iannone III, B. V.**, D. H. Wise, L. Heneghan, C. M. Oswalt, S. N. Oswalt, N. Clause, B. C. Pijanowski, and S. Fei. 2014. *Belowground causes and consequences of Rhamnus cathartica L. (European buckthorn) invasion into remnant urban woodlands*. 25th U.S.D.A. Interagency Research Forum on Invasive Species. Annapolis, MD.
- Iannone III, B. V.**, D. Lin, L. Heneghan, A. Yannarell, and D. H. Wise. 2013. *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 III, B. V.** 2011. *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 III, B. V.** 2009. (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.

AWARDS & HONORS

- 2025 Search for Excellence in Environmental Quality, Forestry, and Natural Resources Award (National Finalist). Awarded by the National Association of County Agricultural Agents for *Empowering Professionals: Innovation and Education for Water Efficient and Biodiverse Landscaping Practices in Florida*. Team members: Moffis B. L., **B. V. Iannone III**, P. J. Bohlen, P. Jones, M. J. Kipp, R. Levey, and T. Sallin.

- 2025 Search for Excellence in Environmental Quality, Forestry, and Natural Resources Award (State Winner). Awarded by the Florida Association of County Agricultural Agents for *Empowering Professionals: Innovation and Education for Water Efficient and Biodiverse Landscaping Practices in Florida*. Team members: Moffis B. L., **B. V. Iannone III**, P. J. Bohlen, P. Jones, M. J. Kipp, R. Levey, and T. Sallin.
- 2024 Outstanding State Specialist of the Year Award. Awarded by the Florida Association of Natural Resources Extension Professionals (FANREP).
- 2024 Best Long Extension Publication (1st Place). Awarded by the Florida Association of Natural Resource Extension Professionals for *Getting into the 'Weeds': An Introduction to Common Lawn Plants and Their Ecological Benefits in North Central Florida*. Publication FOR388, School of Forest, Fisheries, and Geomatics Sciences, UF|IFAS. (2023). [Link](#).
- 2022 Innovative Program Award. Awarded by the Association of Natural Resource Extension Professionals (ANREP) for *the Sustainable Floridians Benchmarking and Monitoring Program*. 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.
- 2022 College of Agricultural and Life Sciences Mentoring Academy Fellow. This eight-week program trains on developing of mentoring skills and philosophies.
- 2022 Best Long Extension Publication Award (3rd Place). Awarded by the Association of Natural Resource Extension Professionals for *Standardized Invasive Species Terminology for Effective Education of Floridians*. Publication FOR370, School of Forest, Fisheries, and Geomatics Sciences, UF|IFAS. (2021). [Link](#).
- 2022 Best Long Extension Publication (1st Place). Awarded by the Florida Association of Natural Resource Extension Professionals for *Standardized Invasive Species Terminology for Effective Education of Floridians*. Publication FOR370, School of Forest, Fisheries, and Geomatics Sciences, UF|IFAS. (2021). [Link](#).
- 2020 Best Long Extension Publication (2nd Place). Awarded by the Florida Association for Natural Resource Extension Professionals for Invasive species terminology: standardizing for stakeholder education. *Journal of Extension* 58 (2020): v58-3a3. [Link](#).
- 2016 Natural Resource Leadership Institute (NRLI) Class XVI Fellow. Fellows accepted into NRLI engage in an eight-month training program that teaches facilitation, consensus building, and conflict management within the context of contentious natural resource issues.
- 2016 NASA-MSU Professional Enhancement Award. Center for Systems Integration and Sustainability, Michigan State University.

- 2014 Award for 2nd 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. 3rd 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.
- 2002 College of Natural Resources Scholarship. Administered through the College of Natural Resources, Colorado State University, Fort Collins, CO (US\$1,200).
- 2002 Delano F. Scott Scholarship. Administered through the College of Natural Resources, Colorado State University, Fort Collins, CO (US\$1,200).

PROFESSIONAL SERVICE

Reviewing Service

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

Invited Reviewer for:
 German Research Foundation (Deutsche Forschungsgemeinschaft)
 National Sciences and Engineering Research Council of Canada
 United States Forest Service
 Minnesota Invasive Terrestrial Plants and Pest Center
 Routledge Handbook of Urban Biodiversity

Reviewer of manuscripts for: *Applied Soil Ecology, Biological Invasions, Cities, Diversity and Distributions, Ecological Restoration, Ecography, Ecological Indicators, Ecology Letters, Environmental Challenges, Environmental Management, Environmental Monitoring and Assessment, Forest Ecology and Management, Frontiers in Ecology & Evolution, Invasive Plant Science and Management, Journal of Applied Ecology, Journal of Botany, Landscape Ecology, Management of Biological Invasions, Plant and Soil, PLOS One, Proceedings of the National Academy of Sciences, Scientific Reports, Science of the Total Environment, Trends in Ecology & Evolution, Urban and Landscape Planning, Urban Ecosystems, Urban Forestry and Urban Greening*

Academic Service

- 2026 Search and Screening Committee. UF|IFAS Regional Specialized Extension Agent II, III, or IV in Sustainable Land Development.
- 2025-2026 Steering Committee Member. UF|IFAS 2026 Urban Landscape Summit. Committee organizes bi-annual Urban Landscape Summit, bringing together academic and non-academic partners to present on, discuss, and devised more sustainable urban landscaping and land development practices.
- 2025 Advisory Committee Member. UF|IFAS Initiative 4 (Creating Sustainable Urban and Suburban Communities)
- 2025 Building Emergency Coordinator. UF Department of Emergency Management.
- 2024-Present Steering Committee Member. UF|IFAS Sustainable Floridians Benchmarking and Monitoring Program Currently working to formulate a strategy for UF to become a leader in sustainable land development and urban design.
- 2024-Present Member: Natural Resource Conservation Committee, School of Forest, Fisheries, and Geomatics Sciences.
- 2024-2025 Tour Leader: UF College of Agricultural and Life Sciences. Research Tours for Undergraduate Students.
- 2024 Hiring Committee Member. Assistant Professor in Environmental Education. UF School of Forest, Fisheries, and Geomatics Sciences.
- 2023 Invited Panelist. How to prepare for your qualifying exam panel discussion. School of Natural Resources and Environment.
- 2023 Hiring Committee Member. Extension Communication and Project Coordinator position, School of Forest, Fisheries, and Geomatics Sciences.
- 2023-Present Nominated Member. Steering Committee for the Future Urban Landscapes of Florida Annual Meeting.
- 2023-2026 Elected Member. UF School of Natural Resources and Environment Faculty Advisory Council, University of Florida.
- 2023-2025 Nominated Leader. UF|IFAS Extension Priority Working Group 2: Strengthening Healthy Ecosystems for Biodiversity and Human Wellbeing. Develop evaluation criteria for impacts of Extension programs focused on urban ecosystems.

- 2022-2023 Nominated Co-Leader. UF|IFAS Extension Priority Working Group 2: Strengthening Healthy Ecosystems for Biodiversity and Human Wellbeing. Working to develop evaluation criteria for impacts of Extension programs focused on urban ecosystems.
- 2022 Interview Committee Member. For position of UF|IFAS State Specialized Agent in Community Flood Resilience.
- 2021 Interview Committee Member. For position of UF|IFAS State Specialized Agent in Sustainable Community Development.
- 2020-2023 Steering Committee Member. UF|IFAS Future Urban Landscape Manual—Acting as editor for a document summarizing scientific understanding of how to best manage urban landscaping.
- 2020-2023 Nominated Voting Member. Lakes, Vegetation, and Landscaping Committee Natural Areas Task Force, University of Florida.
- 2020-2021 Invited Member. Conservation Area Revision Task Force of the University of Florida.
- 2020-2025 Leader of Urban Ecosystem Extension Committee. UF|IFAS School of Forests, Fisheries, and Geomatics Sciences.
- 2018-Present Founding Member. UF|IFAS Future Florida Landscapes Working Group – Working towards reaching consensus across UF|IFAS programs in stakeholder messaging about how to design and manage lawns and urban landscaping in ways that limit environmental harm and increase ecological benefits.
- 2018 Invited Project Mentor. UF Innovation Academy’s Catalyst Fellows. Dr. Ryan Nixon, Course Leader.
- 2017-Present Member: UF|IFAS Invasive Species Council (ISC). The ISC’s mission is to provide leadership to build stakeholder capacity in managing and preventing invasive species through partnerships and Extension programs.
- 2017-2025 Member: UF|IFAS School of Forest, Fisheries, and Geomatics Sciences, Distance Education Committee.
- 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.

Professional Service

2024-Present Board of Directors. OUTSIDE Sustainable Landscape Collaborative ([Link](#)). This non-profit organization works across private industry, municipal, academic, NGO, and outreach leaders to make sustainable and ecologically beneficial urban and residential landscapes a reality in Florida.

2024-Present Advisory Board Member (Invited). International Network of Urban Biodiversity and Design (URBIO; [Link](#)).

2024 Tour Leader; UF College of Agricultural and Life Sciences. Research Tours for Undergraduate Students.

2024 Nominated Judge: UF Water Institute Dissertation Award.

2024 Symposium Organizer and Moderator. *Translational ecology in action: shifting the residential lands development paradigm through ecological understanding and far-reaching collaborations*. Bi-Annual Meeting of the International Network of Urban Biodiversity and Design. Columbia, MO.

2024 Judge for Student Poster Presentations. Annual Forest Resources and Conservation Graduate Research Symposium. Gainesville, FL.

2024 Judge for Student Poster Presentations. Biannual UF Water Institute Symposium. Gainesville, FL.

2023 Invited Panelist. (Other panelists: G. Wilman, L. Bertolotti, S. Caswell, and J. Torbert). *Panel discussion: collaborating to mitigate the impacts of land development*. Natural Resource Leadership Institute Class XXIII, Land Development Session. (2023).

2023 Session Organizer. Natural Resource Leadership Institute Class XXIII. Organized and lead a multi-day session about a cross-disciplinary collaboration aimed at mitigating the impacts of regional-scale land development projects.

2023 Organizing Committee Member. *Groundcover Restoration & Enhancement Workshop*. Sponsored by UF Native Plant Nursery, UF|IFAS School of Forest, Fisheries, and Geomatics Sciences, and Florida Wildflower Foundation.

2023 Invited Member. Alachua County Dept. of Environmental Protection Multi-species Lawn Working Group. Aimed at reducing lawn irrigation and chemical inputs through the increased acceptance of self-recruiting lawn species.

- 2021 Student Presenter Judge. Annual Meeting of the International Association for Landscape Ecology-North American Chapter. Reno, NV. (April 12-16, 2021). Virtual due to COVID-19.
- 2021 Mentor for Student-Mentor Meetings. Annual Meeting of the International Association for Landscape Ecology-North American Chapter. Reno, NV. (April 12-16, 2021). Virtual due to COVID-19.
- 2020 Volunteer Mentor for Student-Mentor Meetings. North American Chapter of the International Association for Landscape Ecology 2020 Annual Meeting. Toronto, CA. (May 11-14, 2020). Virtual due to COVID.
- 2019 Volunteer Mentor for Student-Mentor Meetings. U.S. Regional Chapter of the International Association for Landscape Ecology 2019 Annual Meeting. Fort Collins, CO. (April 7-11, 2019).
- 2019-2021 Invited Contributor. Horizon scan to identify invasive species threats to Florida, UF|IFAS.
- 2019 Symposium Organizer. *Residential landscape ecology; biodiversity, ecological processes, and their interactions*. U.S. Chapter-International Association for Landscape Ecology Annual Meeting. Fort Collins, CO. (April 7-11, 2019).
- 2018-Present Invited Member of Global Urban Biological Invasion Consortium (GUBIC). This network of invasion biologists aims to advance the study of biological invasions in urban landscapes via international data sharing and collaboration.
- 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. *3rd MacroSystems Biology PI Meeting*. 19-20 June 2014. National Science Foundation Headquarters, Arlington, VA.
- 2014 Organizational Committee Member. *3rd MacroSystems Biology PI Meeting*. 19-20 June 2014. National Science Foundation Headquarters, Arlington, VA.

Published Datasets—I view data publication as a professional service, as it increases transparency, replicability, and constructive evaluation of research, and provides opportunities for future data synthesis and analysis.

Iannone III, B. V., J. C. Jones, V. V. Vasconcelos, K. A. Russo, O. Malakhova, and J. Colee. *Data on actual and perceived plant species richness, and cross-spatial scale species composition for lawn and non-lawn areas of 30 yards in Gainesville, FL*. University of Florida Institutional Repository. (2023). <https://original-ufdc.uflib.ufl.edu/1/IR00012149/0000>.

- Iannone III, B. V.**, K. M. Hess, J. S. Sinclair, A. J. Reisinger, and E. Z. Bean. *Data on vegetation composition, hydrology, and soil and water chemistry for urban depressional wetlands of Gainesville, FL*. University of Florida Institutional Repository. (2022). <https://ufdc.ufl.edu/IR00011724/00001>.
- Iannone III, B. V.**, G. P. Nighswander, J. S. Sinclair, A. G. Dale, and J. Qui. *Data on vegetation structure, plant diversity, and pest and predatory communities in ornamental gardens of North Central Florida*. University of Florida Institutional Repository. (2021). <https://ufdc.ufl.edu/IR00011630/00001>.
- Hess, K., T. Clem, A. Genest, T. Flemma, and **B. V. Iannone III**. *Traits database for native landscaping plants found on proposed development site near Gainesville, FL*. University of Florida Institutional Repository. (2020). <https://ufdc.ufl.edu/ir00011318/00001>.
- Sinclair, J. S., L. S. Reisinger, C. R. Adams, E. Z. Bean, A. J. Reisinger, and **B. V. Iannone III**. *Data on vegetation structure, benthic macroinvertebrates, and pond chemistry in stormwater ponds of Gainesville, FL*. University of Florida Institutional Repository. (2020). <https://ufdc.ufl.edu/IR00011298/00001>.
- Sinclair, J. S., C. R. Adams, A. J. Reisinger, E. Z. Bean, L. S. Reisinger, A. L. Holmes, and **B. V. Iannone III**. *Database of trait values for 28 invasive plants from stormwater ponds of Gainesville, FL*. University of Florida Institutional Repository. (2020). <https://ufdc.ufl.edu/IR00011151/00001>.
- Sinclair, J., A. J. Reisinger, E. Z. Bean, C. R. Adams, L. S. Reisinger, and **B. V. Iannone III**. *Data on invasive plant cover and pond chemistry in stormwater ponds of Gainesville, FL*. University of Florida Institutional Repository. (2019) <https://ufdc.ufl.edu/IR00011021/00001>.
- Fei, S., Q. Guo, G. C. Nunez-Mir, and **B. V. Iannone III**. *Functional traits of non-native woody plants in the United States*. Purdue University Research Repository. (2019) [doi:10.4231/1YW7-DE10](https://doi.org/10.4231/1YW7-DE10).
- Nighswander, G. P., M. E. Szoka, K. M. Hess, E. Z. Bean, G. Hansen de Chapman, and **B. V. Iannone III**. *A new database on trait-based selection of stormwater pond plants*. University of Florida Institutional Repository. (2018) <http://ufdc.ufl.edu/IR00010631/00001/citation>.
- Iannone III, B. V.**, K. M. Potter, Q. Guo, I. Jo, C. M. Oswalt, and S. Fei. *Data on native tree diversity (species richness and phylogenetic), biomass, relative density, tree height, and invasive plants in forests of the eastern USA*. Purdue University Research Repository. (2018) <https://purr.purdue.edu/publications/3072/1>.
- Iannone III, B.V.**, L. Heneghan, D. Rijal, and D. H. Wise. 2015. *Data from: Below-ground causes and consequences of woodland shrub invasions: a novel paired-point framework reveals new insights*. Dryad Digital Repository. (2018) <https://datadryad.org/resource/doi:10.5061/dryad.vb120>.

CROSS-INSTITUTIONAL COLLABORATIONS (Past and Present)

Research and academic institutions: DePaul University; University of Illinois at Chicago; University of Illinois at Urbana-Champaign; Morton Arboretum; North Carolina State University; Illinois Natural History Survey; Field Museum; Chicago Wilderness Science Team; Purdue University; Miami University; University of Missouri; Arizona State University; Rice University; University of California, Davis; University of California, Los Angeles; University of Tennessee; Oregon State University; University of Central Florida

Land-management/regulatory agencies: The Nature Conservancy-Florida Chapter; St Johns River Water Management District; TOHO Water Authority; USDA Forest Service Northern Research Station; USDA Forest Service Southern Research Station; Manatee County, Florida; Sunbridge Stewardship District, Florida; Alachua County Department of Environmental Protection, Florida; City of Gainesville, Florida; The City of Alachua, Florida; Florida Department of Environmental Protection; 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

Private industry: Quality By Design Landscape Design, Rayonier; Tavistock Development; Cherrylake, IMG; LifeSoils LLC; Sunshine Organics; Dix-Hite + Partners; Kimberly Horn + Canin Associates; Lakewood Ranch Inter-District Authority, Altec Lakes and Natural Areas Inc., Down to Earth Landscaping & Irrigation, On Top of the World Community, Weyerhaeuser

PROFESSIONAL SOCIETIES

URBIO: International Network Urban Biodiversity and Design (Advisory Board Member)
Ecological Society of America
International Association for Landscape Ecology-North American Chapter
Association of Natural Resource Extension Professionals
Florida Association of Natural Resource Extension Professionals

POPULAR PRESS STEMMING FROM MY WORK (33 total)

KIA. Florida's Sunbridge Project. *Charing to the Future with KIA YouTube Channel*. [Link](#).

St. Johns River Water Management District (SJRWMD). Project DIRT: Water-Smart landscaping research. *SJRWMD Smart Landscaping Research Webpage*. [Link](#).

St. Johns River Water Management District (SJRWMD). Project DIRT: Water-Smart landscaping research. *SJRWMD Facebook Video*. [Link](#).

Students learn environmental stewardship. *Alachua County Today*. (May 2024). [Link](#).

Brad, B. UF|IFAS finds backyards have more plant species than imagined. *Main St. Daily News*. (April 2024). [Link](#).

Brad, B. How many plants are in your yard? UF study finds high plant diversity in residential landscapes. *Morning AgClips*. (April 2024). [Link](#).

Brad, B. How many plants are in your yard? UF study finds high plant diversity in residential landscapes. *UF|IFAS News Blog*. (April 2024). [Link](#).

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](#).

Eberl, K. *8 Drought-friendly lawn alternatives*. Family Handyman. (March 2023). [Link](#).

Rae, A. (TV news story) *Experts weigh in on effectiveness of storm detention ponds*. NBC-2 Fort Myers (May 2022). [Link](#).

Brad, B. *Study shows stormwater ponds don't lower pollution*. Main St. Daily News, Gainesville, FL. (April 23rd, 2022). [Link](#).

Brad, B. *Stormwater ponds do little to prevent pollution in nearby lakes and ponds*. Morning AgClips (April 4th, 2022). [Link](#).

Ross, M. (Live radio interview). *Efficacy of stormwater ponds challenged*. First Coast Connect with Melissa Ross. WJTC News. (April 4th, 2022). [Link](#).

Brad, B. *UF Study: Stormwater ponds do little to prevent pollution in nearby lakes and ponds*. Tampa Free Press (April 1st, 2022). [Link](#).

Brad, B. *UF Study: Stormwater ponds do little to prevent pollution in nearby lakes and ponds*. UF|IFAS News Blog. (March, 2022). [Link](#).

Beckmen, C. (TV interview). *Saving native plants from construction sites*. FOX Tampa 13 News (Dec 23, 2021). [Link](#).

Angle, J. S. *Opinion: Lakewood Ranch has hundreds of stormwater ponds. Could they clean the water?* Bradenton Herald. (Dec 5, 2021). [Link](#).

Buck, B. *Salvage native plants from construction sites for future use.* Glades County News (Nov 19, 2021). [Link](#).

Angle, J. S. *Opinion: Lakewood Ranch can lead the way on water quality.* Sarasota Herald Tribune. (Nov 16, 2021). [Link](#).

Angle, J. S. *Research at Florida's stormwater ponds could carry anti-algae implications.* Contractor Daily News. (Oct 31, 2021). [Link](#).

Angle, J. S. *Research at Florida's stormwater ponds could carry anti-algae implications.* Lawn & Lake Market Leadership. (Oct 28, 2021). [Link](#).

Angle, J. S. *Stormwater ponds could do invaluable work protecting water quality.* Lawn & Lake Market Leadership. (Sept 10, 2021). Florida Nursery, Growers, and Landscape Association Greenline. [Link](#).

Buck, B. *UF|IFAS plants flora to try to reduce pollutants going into lakes, rivers.* Tampa Bay Times (Aug 1, 2021). [Link](#).

Buck, B. *Words to use, avoid in describing invasive plants and animals.* Immokalee Bulletin. (July 7, 2020). [Link](#).

Buck, B. *An urbanized Florida means more stormwater ponds, invasive plants.* (Dec 2019) UF|IFAS News Wise Press Release. [Link](#).

Pickett, S. *UF researchers find stormwater ponds may harbor invasive species.* The Independent Florida Alligator. (June 8, 2019). [Link](#).

Romaguera, K. *Stormwater ponds may harbor invasive plants, UF|UFAS research finds.* UF|IFAS News Blog. (May 2019). [Link](#).

Gandhi, P. *Lakewood Ranch authority embarks on stormwater quality, erosion control improvements.* Florida Specifier (Dec 2018) 22-22.

Ebanks, P. *Lakewood Ranch takes part in water cleansing experiment.* East County Observer (Aug 2018). [Link](#).

MENTEE ACCOMPLISHMENTS

Mentee Honors

G. N Tanjina Hasnat: UF CALS Dean's Award. Awarded by UF|IFAS School of Forest, Fisheries, and Geomatics Sciences. Four years of stipend and tuition. (2025).

Brooke L. Moffis: 2025 Outstanding Educator Award. Awarded by the Florida Nursery Growers and Landscape Association. (2025).

Brooke L. Moffis: 2025 Search for Excellence in Environmental Quality, Forestry, and Natural Resources Award. Awarded by the National Association of County Agricultural Agents. (2025).

Chamoda Dissanayake: UF CALS Dean's Award. Awarded by UF|IFAS School of Forest, Fisheries, and Geomatics Sciences. Four years of stipend and tuition (2024).

Chamoda Dissanayake: 2024 Forest Resources and Conservation Outstanding Masters Student. Awarded by UF|IFAS School of Forest, Fisheries, and Geomatics Sciences. (2024).

Olesya Malakhova: Best Long Extension Publication Award (1st Place). Awarded by the Florida Association of Natural Resource Extension Professionals for *Getting into the 'Weeds': An Introduction to Common Lawn Plants and Their Ecological Benefits in North Central Florida*. Publication FOR388, School of Forest, Fisheries, and Geomatics Sciences, UF|IFAS. (2023). [Link](#).

Victoria Cope: Best Student Poster (3rd Place). Forest Resources and Conservation Graduate Student Research Symposium. Awarded by UF|IFAS School of Forest, Fisheries, and Geomatics Sciences.

Brooke L. Moffis: Best Extension Poster. UF|IFAS Central District Extension Symposium. Bunnell, FL. (2023).

Brooke L. Moffis: Best Graduate Student Poster (honorable mention). 2023 UF School of Natural Resources and Environment Research Symposium. Gainesville, FL. (2023).

Kacey A. Russo: Best Graduate Student Poster (honorable mention, awarded while an undergraduate). 2022 Urban Landscape Summit, Gainesville, FL. (2022).

Johanna Walker: Acceptance into the University of Florida Scholars Program. (2022). Awarded by the University of Florida Honors Program. (US\$2,250).

Kayla M. Hess: Award for Graduate Student Excellence in Outreach and Extension. (2020). Awarded by UF|IFAS School of Forest, Fisheries, and Geomatics Sciences.

Mentee Grant Awards.

Chamoda Dissanayake: UF Water Institute Student Scholarship. *Rate of nutrient change in response to abundance of varied vegetation types: a multifaceted approach*. (US\$125).

Victoria Cope: Garden Club of America Montine M. Freeman Scholarship in Native Plants. (2023). *Benefits of native landscaping in new residential areas on arthropod food webs*. (US\$3,000).

Chamoda Dissanayake: Society of Lake Management Professionals Annual Student Scholarship. (2022). *Stormwater pond plantings: Testing the effectiveness of a Best Management Practice on water quality*. (US\$2,000, plus costs for lodging and meeting registration).

Vitor Vasconcelos: Federal University of ABC Undergraduate Research Scholarship Program. (2021). *Effects of residential landscape design and trees on household electricity consumption*. (US\$860).

Jesse C. Jones: Florida Nursery, Growers and Landscape Association (FNGLA) Endowed Research Fund Project Enhancement Award. (2021). *How does plant diversity, vegetation structure, and management contribute to ecosystem services in residential landscaping?* (US\$5,000).

Olesya Malakhova: Student Travel Award – International Association for Landscape Ecology-North American Chapter (IALE-NA). (2021). *Herbivory in urban landscapes: effects of yard management, vegetative structure, and plant origin*. (US\$65).

Olesya Malakhova: Applied Ecology Section Student Travel Award from the Ecological Society of America (ESA). (2021). *Implications of plant origin, vegetative structure, and yard management on arthropod herbivory patterns in residential landscapes*. (US\$65).

Kayla M. Hess: UF Wetland Club, Society of Wetland Scientists Conference Scholarship. (2019). *Quantifying the effects of stormwater ponds on urban remnant forested wetlands*. (US\$350).

Kayla M. Hess: UF College of Agriculture and Life Sciences Travel Grant. (2019). *The effects of stormwater drainage on remnant urban plant communities*. (US\$250).

Gisele P. Nighswander: William C. and Bertha M. Cornett Fellowship. (2018). *The role of vegetational characteristics and landscape context in controlling arthropod pests in ornamental gardens*. (US\$1,500).

Gisele P. Nighswander: UF College of Agriculture and Life Sciences Travel Grant. (2018). *The role of vegetational characteristics and landscape context in controlling arthropod pests in ornamental gardens*. (US\$250).

Gisele P. Nighswander: Garden Club of America Corliss Knapp Engle Scholarship. (2018). *The role of vegetational characteristics and landscape context in controlling arthropod pests in ornamental gardens*. (US\$3,000).