

JIANGXIAO QIU

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EDUCATION

- 2011 – 2016 **Ph.D., Zoology (Ecology)**, University of Wisconsin – Madison
(*Advisor: Monica G. Turner*)
- 2007 – 2011 **M.S., Ecology**, Chinese Academy of Sciences, Research Center for Eco –
Environmental Sciences, Beijing, China
- 2003 – 2007 **B.S., Geography**, Northwest University, College of Urban and Environmental
Sciences, Xi'an, China

RESEARCH INTERESTS

Landscape ecology • Ecosystem service • Global environmental change • Social-ecological systems • Sustainability science • Resource nexus • Conservation biology • Biological invasion • Land-water interactions • Biophysical modeling • Complex systems • Geospatial analysis

ACADEMIC APPOINTMENTS

- 2023 – Present **Associate Professor**, School of Forest, Fisheries, and Geomatics Sciences,
University of Florida
- 2017 – 2023 **Assistant Professor**, School of Forest, Fisheries, and Geomatics Sciences,
University of Florida
- 2022 – **Core Member**, Global Food Systems Institute, University of Florida
- 2022 – **Affiliate Faculty**, Florida Institute for Built Environment Resilience
- 2022 – **Affiliate Faculty**, Hydrologic Sciences Academic Concentration, University of
Florida
- 2017 – **Affiliate Faculty**, School of Natural Resources and Environment, University of
Florida
- 2017 – **Affiliate Faculty**, Florida Climate Institute
- 2017 – **Affiliate Faculty**, Water Institute, University of Florida
- 2017 – **Affiliate Faculty**, Biodiversity Institute, University of Florida
- 2017 – **Project Collaborator**, NSF Long-Term Ecological Research (LTER) Network,
Florida Coastal Everglades LTER
- 2016 – 2016 **Postdoctoral Fellow**, Office of Chief Scientist, The Nature Conservancy
(*Mentor: Edward T. Game*)

RESEARCH GRANTS (~\$6.3M total; >\$2.5M to Qiu)

Awarded Grants

- 2023 – 2026 **U.S. Department of Agriculture, AFRI Foundational and Applied Science,**
Lead PI, "Trait-based Assessment of Interactive Climate Change and Land

- Management Effects on Soil Greenhouse Gas Fluxes in Subtropical Grasslands*” (\$649,934)
- 2023 – 2026 **U.S. Department of Interior, National Park Service, Co-PI**, “*Identify Potential Sources and Pathways Contributing to High Phosphorus Levels on Northern Boundary of Everglades National Park*” (\$287,614; [\$205,959 to Qiu at UF])
- 2023 – 2024 **U.S. Department of Agriculture, AFRI Foundational and Applied Science, Co-PI**, “*RapidFEM4D: A Web-based Mapping Platform for Rapidly Assessing the Impacts and Short-term Recovery of Hurricane Ian on Forest Ecosystems in Florida*” (\$300,000; [\$33,260 to Qiu at UF])
- 2023 – 2024 **Florida Cattle Enhancement Board, Lead PI**, “*Assessing Land Intensification and Grazing Impacts on Soil Greenhouse Gas Fluxes in Florida Subtropical Grasslands*” (\$50,020)
- 2023 – 2027 **CALS Dean’s Award, University of Florida, Lead PI** (\$358,635)
- 2021 – 2024 **U.S. Department of Agriculture, AFRI Foundational and Applied Science, Lead PI**, “*From Drought to Deluge: Sustaining Multiple Ecosystem Services of Subtropical Grasslands under Altered Precipitation Regimes*” (\$500,000)
- 2021 – 2022 **University of Florida/IFAS, Early Career Seed Grant, Lead PI**, “*Sustaining Multiple Ecosystem Functions and Services of Subtropical Grasslands under Altered Climate Variability*” (\$50,000)
- 2020 – 2025 **FORMAS, Swedish Research Council, Key Personnel**, “*Inequality and the Biosphere: Achieving the Sustainable Development Goals in an Unequal World*” (SEK 19,997,686)
- 2020 – 2023 **Florida Department of Agriculture and Consumer Services, Co-PI**, “*Identifying Hotspots of Soil Legacy Phosphorus and Harnessing their Effects through Targeted Vegetative Filter Strip and Soil Amendment in the Northern Everglades Watershed*” (\$377,562; [\$128,905 to Qiu at UF])
- 2018 – 2022 **National Science Foundation, Senior Personnel**, “*ENLARGE: ENabling LARGE-scale Adaptive Integration of Technology Hubs to Enhance Community Resilience through Decentralized Urban Food-Water-Energy Nexus Decision Support*” (\$750,000; [\$169,818 to Qiu at UF])
- 2021 **University of Florida/IFAS, Lead-PI, Equipment and Research Infrastructure Awards** (\$38,000)
- 2020 – 2021 **U.S. Department of Agriculture, McIntire-Stennis Grant, Lead PI**, “*Land Use and Management Factors Affecting Imperiled Pine Rockland Plant Diversity and Ecosystem Services in an Agricultural Landscape*” (\$76,248)
- 2020 – 2021 **University of Florida/IFAS, Co-PI**, “*How Much does Your Landscape Cost to Maintain: Increasing Consumer Awareness and Developer Incentive to Promote Early Adoption of Sustainable Landscaping*” (\$72,660)
- 2020 – 2021 **University of Florida/IFAS, Co-PI**, “*Future of Urban Agriculture in Florida*” (\$23,025)
- 2019 **University of Florida/IFAS, Lead-PI, Equipment and Research Infrastructure Awards** (\$19,926)

- 2018 – 2019 **FORMAS, Swedish Research Council, Key Personnel**, “*Inequality and the Sustainable Development Goals: A Multi-Scale Analysis of Tradeoffs, Synergies and Interactions*” (SEK 1,984,655)
- 2018 – 2019 **University of Florida, Interdisciplinary Research on Invasive Species Grant, Co-PI**, “*Impacts of Plant Invasion and Drought on Plant-microbe Symbiotic Efficiency, Mycorrhizal-driven Nutrient Cycling, and Forest Ecosystem Services*” (\$64,000; [\$16,000 to Qiu at UF])
- 2018 **University of Florida/IFAS, Co-PI**, *Travel Awards for Research Grant Enhancement* (\$10,458; [\$1,494 to Qiu at UF])
- 2017 – 2023 **U.S. Department of Education, Co-PI**, *Miami-Dade College Undergraduate STEM Engage-Intern-Educate Grant* (\$42,000)
- 2017 – 2020 **U.S. Environmental Protection Agency, Co-PI**, “*Determining the Ecology of Florida Coral Disease through Surveys, Transmission Experiments, and Microbiome Analysis*” (\$341,375; [\$59,349 to Qiu at UF])
- 2017 – 2018 **U.S. Department of Agriculture, McIntire-Stennis Grant, Co-PI**, “*Quantifying Climate Change Impacts on Ecosystem Service Dynamics in Hydrologically Connected Forest-Wetland-Lake Systems*” (\$58,767; [\$17,420 to Qiu at UF])
- 2014 – 2016 **The National Socio-Environmental Synthesis Center (SESYNC), Graduate Student Pursuit, Co-PI**, “*Learning for and Adaptation to Surprises: Resilience to Water-related Hazards in Germany and USA*” (\$47,638)

Pending Grants

- 2024 – 2028 **National Science Foundation, Dynamics of Integrated Socio-Environmental Systems Program (DISES), Lead PI**, “*DISES: Scaling up Urban Agriculture as Nature-based Solutions to Advance Social-Ecological Resilience of Coastal City-Regions*” (Total budget: \$1,799,763)
- 2024 – 2027 **U.S. Department of Agriculture, AFRI Foundational and Applied Science Lead PI**, “*Interactive Climate and Land Management Effects on Soil Microbiomes and Microbial Regulation of Soil Organic Carbon in Subtropical Grasslands*” (\$849,960)
- 2024 – 2027 **U.S. Department of Agriculture, AFRI Foundational and Applied Science Lead PI**, “*Interactive Effects of Subtropical Grassland Soil Amendments on Soil Carbon Sequestration through Altering Microbial Carbon Use Efficiency*” (\$749,927)
- 2024 – 2027 **National Science Foundation, Dynamics of Integrated Socio-Environmental Systems Program (DISES), Co-PI**, “*DISES: Big Data Fusion to Uncover Equitable and Multifunctional Urban Greenspace Planning in Coupled Human-natural Systems*” (Total budget: \$1,600,000; [\$431,057 to Qiu at UF])
- 2024 – 2026 **National Science Foundation, Human-Environment and Geographical Science Program, Co-PI**, “*Collaborative Research: Quantifying Effects of Avitourism for Biodiversity Conservation and Sustainable Development*” (Total budget: \$375,451; [\$30,173 to Qiu at UF])

PUBLICATIONS ([Google Scholar Profile](#); Total citation: 2,711; h-index: 31; i10-index: 46; **Summary**: 62 published, 12 in review/revision, and 5 book/book chapters)

† Denotes graduate or undergraduate students advised as the committee chair or primary advisor; § denotes graduate or undergraduate students advised as the committee or external member

Peer-reviewed Journal Articles

62. **Qiu, J.**, † Zhao, H., Chang, N.B., Wardropper, C.B., Campbell, C., Baggio, J.A., Guan, Z., Kohl, P., Newell, J., Wu, J. 2023. Scale up urban agriculture to leverage transformative food systems change, advance social-ecological resilience, and improve sustainability. *Nature Food*. DOI: 10.1038/s43016-023-00902-x.
61. † Guo, Y., Boughton, E.H., Swain, H., Bohlman, S., Bernacchi, C., Bohlen, P., DeLucia, E., Gomez-Casanovas, N., Lollis, G., Sonnier, G., Sparks, J., **Qiu, J.** 2023. Grassland intensification effects cascade to alter multifunctionality of wetlands within metaecosystems. *Nature Communications* 14:8267.
60. § Han, D., Yu, D., **Qiu, J.** 2023. Assessing coupling interactions in a safe and just operating space for sustainability. *Nature Communications* 14:1369.
59. § Bei, H., Zipper, S.C., Peng, S., **Qiu, J.** 2023. Groundwater effect on net primary productivity and soil organic carbon: A global analysis. *Environmental Research Letters* 18: 084024.
58. † Guo, Y., O’Neil, C.M., Boughton, E.H., Martens-Habbena, W.M., **Qiu, J.** Wetland soil microbial responses to upland agricultural intensification and snail invasion. 2023. *Applied Soil Ecology*. DOI: 10.1016/j.apsoil.2023.105212.
57. † Guo, Y., Liao, H., Boughton, E.H., Martens-Habbena, W., **Qiu, J.** 2023. Interactive effects of land-use intensity, grazing and fire disturbances on soil bacterial and fungal communities in subtropical wetlands. *Agriculture, Ecosystems & Environment* 345: 108314.
56. † Guo, Y., Boughton, E., Liao, H., Sonnier, G., **Qiu, J.** 2023. Direct and indirect pathways of land management effects on wetland plant litter decomposition. *Science of the Total Environment* 854: 158789.
55. § O’Neil, C., † Guo, Y., Pierre, S., Boughton, E., **Qiu, J.** 2023. Invasive snails alter multiple ecosystem functions in subtropical wetlands. *Science of the Total Environment* 864: 160939.
54. Tao, Y., Tao, Q., **Qiu, J.**, Pueppke, S., † Gao, G., Ou, W. 2023. Integrating water quantity- and quality-related ecosystem services into water scarcity assessment: A multi-scenario analysis in the Taihu Basin of China. *Applied Geography* 160: 103101.
53. Tao, Y., Li, Z., Sun, X., **Qiu, J.**, Pueppke, S.G., Ou, W., Guo, J., Tao, Q., Wang, F. 2023. Supply and demand dynamics of hydrologic ecosystem services in the rapidly urbanizing Taihu Lake Basin of China. *Applied Geography* 151: 102853.
52. Liu, J., Zheng, Y., Jin, L., Ye, W., Lian, J., Burgess, K.S., Yan, H., Ge, X., **Qiu, J.** 2023. Stronger effects of biodiversity loss and compositional change on forest biomass dynamics at larger spatial scales. *European Journal of Forest Research*. DOI:10.1007/s10342-023-01613-5.
51. Kapucu, N., Beaudet, S., Chang, N.B., **Qiu, J.**, Peng, Z.R. 2023. Partnerships and network governance for urban food-energy-water nexus. *International Journal of Public Administration* 46(1): 18-31.
50. § Valencia, A., **Qiu, J.**, Chang, N.B. 2022. Integrating sustainability indicators and governance structures via clustering analysis and multicriteria decision making for an urban agriculture network. *Ecological Indicators* 142: 109237.

49. Tao, Y., Tao, Q., Sun, X., **Qiu, J.**, Pueppke, S.G., Ou, W., Guo, J., Qi, J. 2022. Mapping ecosystem service supply and demand dynamics under rapid urban expansion: A case study in the Yangtze River Delta, China. *Ecosystem Services* 56: 101448.
48. **Qiu, J.**, Queiroz, C., Bennett, E.M., Cord, A.F., Crouzat, E., Lavorel, S., Maes, J., Meacham, M., Norström, A.V., Peterson, G.D., Seppelt, R., Turner, M.G. 2021. Land-use intensity mediates ecosystem service tradeoffs across regional social-ecological systems. *Ecosystems and People* 17(1): 264-278 (*Invited Submission for a Special Issue*).
47. † Guo, Y., Boughton, E., **Qiu, J.** 2021. Interactive effects of land-use intensity, grazing and prescribed fire on subtropical wetland decomposition. *Ecological Indicators* 132: 108301.
46. Zhang, B., Yuan, Y., Shu, L., Grosholz, E., † Guo, Y., Hasting, A., Cuda, J.P., Zhang, J., Zhai, L., **Qiu, J.** 2021. Scaling up experimental stress responses of grass invasion to predictions of continental-level range suitability. *Ecology* 102: e03417.
45. § Nighswander, G.P., Sinclair, J.S., Dale, A.G., **Qiu, J.**, Iannone III, B.V. 2021. Importance of plant diversity and structure for urban garden pest resistance. *Landscape and Urban Planning* 215: 104211.
44. Chang, N.B., Hossain, U., § Valencia, A., **Qiu, J.**, Zheng, Q., Gu, L., Chen, M., Lu, J., Pires, A., Kaandorp, C., Abraham, E., ten Veldhuis, M., van de Giesen, N., Molle, B., Tomas, S., Ait-Mouheb, N., Dotta, D., Declercq, R., Perrin, M., Conradi, L., Molle, G. 2021. Integrative technology hubs for urban food-energy-water nexuses and cost-benefit-risk tradeoffs (I): Global trend and technology metrics. *Critical Reviews in Environmental Science and Technology* 51(13): 1397-1442.
43. Chang, N.B., Hossain, U., § Valencia, A., **Qiu, J.**, Zheng, Q., Gu, L., Chen, M., Lu, J., Pires, A., Kaandorp, C., Abraham, E., ten Veldhuis, M., van de Giesen, N., Molle, B., Tomas, S., Ait-Mouheb, N., Dotta, D., Declercq, R., Perrin, M., Conradi, L., Molle, G. 2021. Integrative technology hubs for urban food-energy-water nexuses and cost-benefit-risk tradeoffs (II): Design strategies for urban sustainability. *Critical Reviews in Environmental Science and Technology* 51(14): 1533-1583.
42. **Qiu, J.**, Cardinale, B.J. 2020. Scaling up biodiversity–ecosystem function relationships across space and over time. *Ecology* 101(11): e03166.
41. **Qiu, J.**, Carpenter, S.R., Booth, E.G., Motew, M., Kucharik, C.J. 2020. Spatial and temporal variability of future ecosystem services in an agricultural landscape. *Landscape Ecology* 35(11): 2569-2586.
40. Liao, C., **Qiu, J.**, Chen, B., Chen, D., Fu, B., Georgescu, M., He, C., Jenerette, G.D., Li, X., Li, X., Li, X., Qiuying, B., Shi, P., Wu, J. 2020. Advancing landscape sustainability science: Theoretical foundation and synergies with innovations in the methodology, design, and application. *Landscape Ecology* 35(1): 1-9 (*Editorial*).
39. Chang, N.B., Hossain, U., § Valencia, A., **Qiu, J.**, Kapucu, N. 2020. The role of food-energy-water nexus analyses in urban growth models for urban sustainability: A review of synergistic framework. *Sustainable Cities and Society* 63: 102486.
38. Wardropper, C.B., Mase, A.S., **Qiu, J.**, Kohl, P., Booth, E.G., Rissman, A.R. 2020. Ecological worldview, agricultural or natural resource-based activities, and geography affect perceived importance of ecosystem services. *Landscape and Urban Planning* 197: 103768.
37. Zhang, Y., Ji, G., Wu, T., **Qiu, J.** 2020. Urbanization significantly impacts the connectivity of soil microbes involving in nitrogen dynamics at a watershed scale. *Environmental Pollution* 258: 113708.

36. **Qiu, J.***, Zipper, S.C.* , Motew, M., Booth, E.G., Kucharik, C.J., Loheide II, S.P. 2019. Nonlinear groundwater influence on biophysical indicators of ecosystem services. *co-first author. *Nature Sustainability* 2: 475-483 (*Highlighted in Nature Sustainability News and Views*).
35. **Qiu, J.** 2019. Effects of landscape pattern on pollination, pest control, water quality, flood regulation, and cultural ecosystem services: A literature review and future research prospects. *Current Landscape Ecology Reports* 4: 113-124 (*Invited Review*).
34. Zhu, Z., Pei, H., Schamp, B., **Qiu, J.**, Cai, G., Cheng, X., Wang, H. 2019. Land cover and plant diversity in tropical coastal urban Haikou, China. *Urban Forestry & Urban Greening* 44: 126395.
33. Motew, M., Chen, X., Carpenter, S.R., Booth, E.G., Seifert, J., **Qiu, J.**, Loheide II, S.P., Turner, M.G., Zipper, S.C., Kucharik, C.J. 2019. Comparing the effects of climate and land use on surface water quality using future watershed scenarios. *Science of the Total Environment* 693: 133484.
32. Ramirez-Reyes, C., Brauman, K.A., Chaplin-Kramer, R., Galford, G.L., Adamo, S.B., Anderson, C.B., Anderson, C., Allington, G.R., Bagstad, K.J., Coe, M.T., Cord, A.F., Dee, L.E., Gould, R.K., Jain, M., Kowal, V.A., Muller-Karger, F., Norriss J., Potapov, P., **Qiu, J.**, Rieb, J.T., Robinson, B.E., Samberg, L.H., Singh, N., Szeto, S.H., Voigt, B., Watson, K., Wright, T.M. 2019. Reimagining the potential of earth observations for ecosystem services assessment. *Science of the Total Environment* 665: 1053-1063.
31. Wallen, K.E., Filbee-Dexter, K., Pittman, J., Posner, S.M., Alexander, S.M., Romulo, C.L., Bennett, D.E., Clark, E.C., Cousins, S.J.M., Dubik, B.A., Garcia, M., Haig, H.A., Koebele, E.A., **Qiu, J.**, Richards, R.C., Symons, C.C., Zipper, S.C. 2019. Integrating team science into interdisciplinary graduate education: an exploration of the SESYNC Graduate Pursuit. *Journal of Environmental Studies and Sciences* 2(9): 218-233.
30. **Qiu, J.**, Game, E., Tallis, H., Olander, L., Glew, L., Kagan, J.S., Kalies, E.L., Michanowicz, D., Phelan, J., Polasky, S., Reed, J., Sills, E.O., Urban, D., Weaver, S.K. 2018. Evidence-based causal chains for linking health, development, and conservation actions. *BioScience* 68(3): 182-193 (*Selected as the Editor's Choice*).
29. **Qiu, J.**, Carpenter, S.R., Booth, E.G., Motew, M., Zipper, S.C., Kucharik, C.J., Chen, X., Loheide II, S.P., Seifert, J., Turner, M.G. 2018. Scenarios reveal pathways to sustain future ecosystem services in an agricultural landscape. *Ecological Applications* 28(1): 119-134.
28. **Qiu, J.**, Carpenter, S.R., Booth, E.G., Motew, M., Zipper, S.C., Kucharik, C.J., Loheide II, S.P., Turner, M.G. 2018. Understanding relationships among ecosystem services across spatial scales and over time. *Environmental Research Letters* 13: e054020.
27. Breyer B., Zipper, S.C., **Qiu, J.** 2018. Sociohydrological impacts of water conservation under anthropogenic drought in Austin, Texas. *Water Resources Research* 54(4): 3062-3080.
26. Zipper, S.C., Motew, M., Booth, E.G., Chen, X., **Qiu, J.**, Kucharik, C.J., Carpenter, S.R., Loheide II, S.P. 2018. Continuous separation of climate and land use effects on the water balance using principal components regression. *Journal of Hydrology* 565: 106-122.
25. Game, E.T., Tallis, H., Olander, L., Alexander, S., Busch, J., Cartwright, N., Kalie, K.L., Masuda, Y.J., Mupepele, A., **Qiu, J.**, Rooney, A., Sills, E., Sutherland, W.J. 2018. Cross-discipline evidence principles for sustainability policy. *Nature Sustainability* 1: 452-454.
24. Hamann, M., Berry, K., Chaigneau, T., Curry, T., Heilmayr, R., Henriksson, P., Hentati-Sundberg, J., Jina, A., Lindkvist, E., Lopez-Maldonado, Y., Nieminen, E., Piaggio, M., **Qiu,**

- J., Rocha, J., Schill, C., Shepon, A., Tilman, A., van den Bijgaart, I., Wu, T. 2018. Inequality and biosphere. *Annual Review of Environment and Resources* 43: 61-83.
23. Qiu, J., Wardropper, C.B., Rissman, A.R., Turner, M.G. 2017. Spatial fit between water quality policies and hydrologic ecosystem services in an urbanizing agricultural landscape. *Landscape Ecology* 32(1): 59-75.
 22. Qiu, J., Turner, M.G. 2017. Effects of non-native Asian earthworm invasion on temperate forest and prairie soils in the Midwestern US. *Biological Invasions* 19(1): 73-88.
 21. Zipper, S.C, Smith, K.H., Breyer, B., Qiu, J., Hermann, D., Kung, A. 2017. Socio-environmental drought response in a mixed urban-agricultural setting: Synthesizing biophysical and governance responses in the Platte River Watershed, Nebraska, USA. *Ecology and Society* 22(4):39.
 20. Li, Y., Zhang, L., Qiu, J., Yan, J., Wan, L., Wang, P., Hu, N., Cheng, W., Fu, B. 2017. Spatially explicit quantification of the interactions among ecosystem services. *Landscape Ecology* 32(6):1181-1199.
 19. Rose, K.C., Graves, R.A., Hansen, W.H., Harvey, B.J., Qiu, J., Wood, S., Ziter, C., Turner, M.G. 2017. Historical foundations and future directions in macroecosystems ecology. *Ecology Letters* 20: 147-157.
 18. Usinowicz, J., Qiu, J., Kamarainen, A. 2017. Flashiness and flooding of two lakes in the Midwest during a century of urbanization and climate change. *Ecosystems* 20(4): 601-615.
 17. Zipper, S. *, Qiu, J. *, Kucharik, C.J. 2016. Drought effects on US maize and soybean production: spatial-temporal patterns and historical changes. *co-first author. *Environmental Research Letters* 11: e094021.
 16. Booth, E.G., Qiu, J., Carpenter, S.R., Schatz, J., Chen, X., Kucharik, C.J., Loheide, S., Motew, M.M., Seifert, J.M., Turner, M.G. 2016. From qualitative to quantitative environmental scenarios: Translating storylines into biophysical modeling inputs at the watershed scale. *Environmental Modelling & Software* 85(11): 80-97.
 15. Wang, H., Qureshi, S., Qureshi, B., Qiu, J., Friedman, C.R., Breuste, J., Wang, X. 2016. A multivariate analysis integrating ecological, socioeconomic and physical characteristics to investigate urban forest cover and plant diversity in Beijing, China. *Ecological Indicators* 60(1): 921-929.
 14. Qiu, J. 2015. A global synthesis of the effects of biological invasions on greenhouse gas emissions. *Global Ecology and Biogeography* 24(11): 1351-1362.
 13. Qiu, J., Turner, M.G. 2015. Importance of landscape heterogeneity in sustaining hydrologic ecosystem services in an agricultural watershed. *Ecosphere* 6(11): 229.
 12. Carpenter, S.R., Booth, E.G., Gillon, S., Kucharik, C.J., Loheide, S., Mase, A.S., Motew, M., Qiu, J., Rissman, A.R., Seifert, J., Soyulu, E., Turner, M.G., Wardropper, C.B. 2015. Plausible futures of a social-ecological systems: Yahara watershed, Wisconsin, USA. *Ecology and Society* 20(2): 10.
 11. Qiu, J., Turner, M.G. 2013. Spatial interactions among ecosystem services in an urbanizing agricultural watershed. *Proceedings of the National Academy of Sciences USA* 110(29): 12149-12154. (Recommended by [Faculty of 1000](#))
 10. Wang, H., Qiu, J., Breuste, J., Friedman, C.R., Zhou, W., Wang, X. 2013. Variations of urban greenness across urban structural units in Beijing, China. *Urban Forestry & Urban Greening* 12(4): 554-561.

9. Wang, H., Lencinas, M.V., Friedman, C.R., Zhu, Z., **Qiu, J.** 2012. Understory plant diversity assessment of Szemao pine (*Pinus kesiya* var. *langbianensis*) plantations in Yunnan, China. *Collectanea Botanica* 31: 51-65.
8. **Qiu, J.**, Wang, X., Lu, F., Zheng, H., Ouyang, Z. 2012. The spatial pattern of landscape fragmentation and its relations with urbanization and socio-economic development: A case study of Beijing. *Acta Ecologica Sinica* 32(9): 2659-2669.
7. Su, Z., Zhang, R., **Qiu, J.** 2011. Decline in the diversity of willow trunk-dwelling weevils (Coleoptera: Curculionoidea) as a result of urban expansion in Beijing, China. *Journal of Insect Conservation* 15(3): 367-377.
6. Wang, H., Lopez-Pujol, J., Meyerson, L.A., **Qiu, J.**, Wang, X., Ouyang, Z. 2011. Biological invasions in rapidly urbanizing areas: A case study of Beijing, China. *Biodiversity and Conservation* 20(11): 2483-2509.
5. Wang, H., Lencinas, M.V., Friedman, C.R., Wang, X., **Qiu, J.** 2011. Understory plant diversity assessment of *Eucalyptus* plantations over three vegetation types in Yunnan, China. *New Forests* 42(1): 101-116.
4. Lu, F., Yang, L., Wang, X., Duan, X., Mu, Y., Song, W., Zheng, F., Niu, J., Tong, L., Zheng, H., Zhou, Y., **Qiu, J.**, Ouyang, Z. 2011. Preliminary report on methane emissions from the Three Gorges Reservoir in the summer drainage period. *Journal of Environmental Sciences* 23(12): 2029-2033.
3. **Qiu, J.**, Wang, X. 2010. A comparative study on object-based land cover classification in high spatial resolution remote sensing imagery of urban areas. *Remote Sensing Technology and Application* 25(5): 653-661.
2. Zhou, Y., **Qiu, J.**, Wang, X., Gang, L., Wu, Q. 2010. A vulnerability assessment of landslide in water-level-fluctuation zones of the Three Gorges Reservoir. *Resource Science* 32(7): 1301-1307.
1. Zhou, Y., **Qiu, J.**, Wang, X., Wu, Q. 2010. Assessment of eco-environmental vulnerability of water-level fluctuation belt in Three-Gorges Reservoir area. *Acta Ecologica Sinica* 30(24): 6734-6740.

In Review or In Revision

12. **Qiu, J.**, †Zhi, R., Boughton, E.H., Li, H., Henderson, C.R.B., Petticord, D.F., Sparks, J., Reddy, K.R. (In revision). Unravelling spatial heterogeneity of soil legacy phosphorus in subtropical grasslands. *Ecological Applications*.
11. Mitchell, M.G.E., **Qiu, J.**, Cardinale, B.J., Chan, K.M.A., Eigenbrod, F., Felipe-Lucia, M.R., Jacob, A.L., Jones, M.S., Sonter, L.J. (In revision). Key questions for scaling up understanding of biodiversity – ecosystem service relationships. *Landscape Ecology*.
10. †Zhao, H., Clarke, M., Campbell, C., Chang, N.B., **Qiu, J.** (In review). Public perceptions of multiple ecosystem services from urban agriculture. *Landscape and Urban Planning*.
9. Liu, L., Beule, L., **Qiu, J.**, Flory, L.S., Iannone, B., Chen, H., Liao, H.L. (In review). Drought – fire tolerant microbes may be favorable for *Pinus palustris* to resist drought and fire stresses. *Soil Biology and Biochemistry*.
8. Chang, N.B., **Qiu, J.** (In review). Integrating urban farming and stormwater management technologies within a low impact development region in a food-energy-water nexus. *Encyclopedia of Sustainable Technologies*.

7. Wu, T., Rocha, J.G., Berry, K., Chaigneau, T., Hamann, M., T., Lindqvist, E., **Qiu, J.**, Schill, C. (In revision). Global tradeoffs between prosperity, inequality, and the environment. *World Development*.
6. Petticord, D.F., Boughton, E.H., Li, H., **Qiu, J.**, Saha, A., † Zhi, R., Sparks, J.P. (In review). Phytoremediation of legacy soil phosphorus: plant species control soil phosphorus uptake and loss as leachate. *Ecosphere*.
5. Wu, T., Berry, K., Chaigneau, T., Crépin, A., Curry, T., Folk, C., Hamann, M., Heilmayr, R., Henriksson, P., Iwarsson, E., Lindkvist, E., Lopez-Maldonado, Y., Piaggio, M., **Qiu, J.**, Rocha, J.C., Schill, C., Shepon, A., Tilman, A.R. (In revision). Reducing inequalities and reconnecting to the biosphere: Lessons for sustainable development from the Covid-19 pandemic. *Humanities and Social Sciences Communications*.
4. Zhang, L., Huang, Q., **Qiu, J.**, Liao, C., Liu, Z., He, C., Bai, Y., Chen, P., Zhou, Y., Liu, Y., Bryan, B. (In review). Conceptualizing and quantifying virtual flows of ecosystem services. *Resources, Conservation & Recycling*.
3. § Wiedenfeld, A., † Guo, Y., § Huang, B., † Zhao, H., **Qiu, J.** (In revision). Effects of agricultural land management on soil denitrification: A global meta-analysis. *Ecosphere*.
2. § Russo, K.A., Vasconcelos, V.V., § Jones, J.C., Malakhova, O., Broadbent, E.N., Colee, J., Dale, A.G., **Qiu, J.**, Taylor, N.W., Wilber, W.L., Iannone, B.V. (In revision). Divergence in diversity-area relationships between lawn and non-lawn plants in residential landscapes. *Landscape Ecology*.
1. Zhang, B., Yuan, Y., Zu, M., Pajeroska-Mukhtar, K.M., Afkhami, M., Hasting, A., **Qiu, J.**, Zhang, J. (In review). Microbial's effects on invasive grass' response to water and nutrient stress. *Plant, Cell & Environment*.

Book and Book Chapters

5. **Qiu, J.**, † Zhao, H., Yu, D., Wu, J. 2022. Unravelling linkages between food-water-energy nexus and ecosystem services for achieving urban sustainability. In: Brouwer, F. (Eds). *Handbook on the Water-Energy-Food Nexus*. Edward Elgar Publishing, United Kingdom.
4. **Qiu, J.** 2021. Agricultural intensification and its effects on ecosystem service tradeoffs. In: Wu, J., and Kang, L. (Eds). *Lectures in Modern Ecology (X) – Key Topics, Advances, and Future Challenges*. Higher Education Press, Beijing, China.
3. **Qiu, J.** 2019. Sustainability of agricultural landscapes in a changing planet. In: Wu, J., and Chen, X. (Eds). *Lectures in Modern Ecology (IX) – Advances in Ecological Research on Urbanization and Global Change*. Higher Education Press, Beijing, China.
2. Maes, J., Egoh, B., **Qiu, J.**, Heiskanen, A., Crossman, N., Neale, A. 2017. Mapping Ecosystem Services in National and Supra National Policy Making. In: Burkhard, B., and Maes, J. (Eds). *Mapping Ecosystem Services*. Pensoft. Sofia, Bulgaria.
1. Zhou, Y., Wang, X., Wu, Q., Lu, F., **Qiu, J.** 2010. *Ecological Vulnerability and Protection in Drawdown Area of the Three Gorges Reservoir*. China Environmental Science Publisher, Beijing, China.

HONORS AND AWARDS

| | |
|------|---|
| 2023 | Early Career International Research Fellow Award (\$500), University of Florida |
| 2023 | Advisor Award for Supervising Outstanding Dissertation, “ <i>Consequences of Land Management on Ecosystem Functions and Services in Subtropical</i> ” |

- Agroecosystems*", School of Forest, Fisheries, and Geomatics Sciences, University of Florida
- 2021 – 2023 Water Institute Early Career Fellow Award, University of Florida (\$6,000)
- 2023 Search for Excellence Award, “*Sustainable Urban Food Production Program*”, National Association County Agricultural Agents (NACAA)
- 2020 High Impact Research Publication Award, University of Florida/IFAS
- 2019 Global Climate Faculty Fellow, Florida Climate Institute (\$5,000)
- 2016 – 2018 Beijer Young Scholar (Invited), The Beijer Institute of Ecological Economics, The Royal Swedish Academy of Sciences
- 2016 Graduate Research Fellow (\$2,000), The National Socio-Environmental Synthesis Center (SESYNC)
- 2016 NEON Work with Data Institute Scholarship (\$900)
- 2015 NASA – MSU Professional Enhancement Award (\$700)
- 2015 National Science Foundation Data Science Workshop Travel Award (\$1,000)
- 2014 Vilas Conference Award, University of Wisconsin – Madison (\$600)
- 2014 Graduate Student Community Building Award, Wisconsin Ecology (\$800)
- 2013 Phi Kappa Phi National Honor Society
- 2011 Hall Ammerer-WRF Graduate Fellowship Award, University of Washington – Seattle (\$79, 085, offered but declined)
- 2010 Scholarship for Outstanding Graduate Student, Research Center for Eco – Environmental Sciences, Chinese Academy of Sciences (\$800)
- 2008 – 2009 Graduate Research Innovation (GRI) Award, Chinese Academy of Sciences (\$3,500)
- 2007 Graduation with Honor, Northwest University
- 2003 – 2007 Distinguished Achievement Award for Academic Excellence, Northwest University (\$3,000)

TEACHING, ADVISING AND MENTORING

Teaching Experience

- 2017 University of Florida, Department of Wildlife Ecology and Conservation, Conservation Biology, WIS 4554/5555c, *Sustaining ecosystem services and biodiversity in changing landscapes* (guest lecture)
- 2017 University of Florida, Howard T. Odum Center for Wetlands, Water, Wetlands & Watersheds, ENV 6935/SWS 6932, *Alternative futures for ecosystem service dynamics and tradeoffs in an agriculture-dominated watershed* (guest lecture)
- 2015 University of Wisconsin – Madison, Department of Geography, GEOGRAPHY 377: An Introduction to Geographic Information Systems, *The application of Geographic Information System to map and assess ecosystem services* (guest lecture)
- 2011 – 2013 University of Wisconsin – Madison, Department of Integrative Biology, Bio/Zoo 102, *Introduction to Animal Biology* (Graduate teaching assistant)

Pedagogical Training

- 2022 CALS Mentor Academy, University of Florida, Gainesville, FL, USA
- 2020 CALS Teaching Enhancement Symposium, University of Florida, Gainesville, FL, USA
- 2015 On the Cutting-Edge Professional Development Program, “*Preparing for an Academic Career in the Geosciences*”, National Association of Geoscience Teachers (NAGT) and National Science Foundation, Madison, WI, USA
- 2014 Delta Program in Teaching and Learning, University of Wisconsin – Madison, “*Teaching Philosophy and Teaching Portfolio Workshop*”, Madison, WI, USA

Advising and Mentoring

(a) Graduate Students Mentoring (Committee Chair – PhD)

- 2023 – Genhong Gao, PhD student, School of Forest, Fisheries, and Geomatics Sciences
- 2023 – Haojie Cao, PhD student, School of Natural Resources and Environment
- 2022 – Olena Leskova, PhD student, School of Forest, Fisheries, and Geomatics Sciences
- 2020 – Ran Zhi, PhD student, School of Natural Resources and Environment
- 2019 – Hui Zhao, PhD candidate, School of Natural Resources and Environment
- 2018 – 2022 Yuxi Guo, PhD, School of Forest, Fisheries, and Geomatics Sciences

(b) Graduate Students Mentoring (Committee Chair – Master)

- 2024 – Lauren Christensen, MS student, School of Forest, Fisheries, and Geomatics Sciences
- 2023 – Paige Dugan, MS student, School of Forest, Fisheries, and Geomatics Sciences
- 2021 – Tori Gray, MS student, School of Forest, Fisheries, and Geomatics Sciences
- 2018 – 2020 Michael Heyn, MS, School of Forest, Fisheries, and Geomatics Sciences
- 2017 – 2019 Sarah Burris, MS, School of Forest, Fisheries, and Geomatics Sciences
- 2017 – 2019 Christina Neaf, MS, School of Forest, Fisheries, and Geomatics Sciences

(c) Graduate Students Mentoring (Committee Member)

- 2023 – Jackson B. Heitmann, PhD student, Department of Wildlife Ecology and Conservation
- 2022 – Jesse C. Jones, PhD student, Interdisciplinary Ecology, School of Natural Resources and Environment
- 2022 – Victoria Cope, MS, School of Forest, Fisheries, and Geomatics Sciences
- 2022 – Megan Phillips, M.S., Department of Soil, Water, and Ecosystem Sciences
- 2021 – Wenyi Zhou, PhD candidate, Department of Biology
- 2021 – Brooke Moffis, PhD student, School of Forest, Fisheries, and Geomatics Sciences
- 2021 – Yiyi Dong, PhD student, School of Forest, Fisheries, and Geomatics Sciences
- 2020 – 2023 Taisha Venort, PhD candidate, Department of Agricultural and Biological Engineering
- 2017 – 2022 Kenneth Rainer, PhD, School of Forest, Fisheries, and Geomatics Sciences
- 2016 – 2020 Sang-Bin Lee, PhD, Department of Entomology and Nematology
- 2017 – 2019 Gisele P. Nighswander, MS, School of Forest, Fisheries, and Geomatics Sciences

(d) Undergraduate Students Mentoring (Advisor)

- 2023 Amber Maier, University of Florida, Environmental Science Program
- 2023 Dannel Fennell, Miami-Dade College Summer Intern Program

- 2023 Lucciana Cabarico, Miami-Dade College Summer Intern Program
 2022 – 2023 Caroline Ibarra, University of Central Florida
 2022 Claire Christiana, Siena College
 2021 Beraca Cornely, Miami-Dade College Summer Intern Program
 2021 Melissa Triana, Miami-Dade College Summer Intern Program
 2021 Benz De Mitchell Pierre, Miami-Dade College Summer Intern Program
 2020 Valentina Acosta, University of Florida, Natural Resource Conservation
 2020 Benjamin B. Pinto, Miami-Dade College Summer Intern Program
 2019 Bibiana Perez-Debritto, Miami-Dade College Summer Intern Program
 2019 Marx Gedeon, Broward College, Environmental Science Program
 2018, 2020 Claudine Alcida, Miami-Dade College Summer Intern Program
 2017 Melissa Montoya, Miami-Dade College Summer Intern Program
 2015 Brittany Moreno, University of Wisconsin – Madison, Introductory Biology Mentored Research Program
 2014 Joseph Bevington, University of Wisconsin – Madison, Introductory Biology Mentored Research Program
 2013 Sherman Yu, University of Wisconsin – Madison, Introductory Biology Mentored Research Program
 2010 Jia Xie, Beijing Forestry University

(e) International Students and Visiting Scholars (Mentor and Host)

- 2024 Jiaying Wei, Professor, Nanjing Agricultural University
 2022 Yu Tao, Associate Professor, Nanjing Agricultural University
 2019 Bei Wang, PhD candidate, Sun Yat-sen University
 2018 Tiehong Song, Associate Professor, Jilin Jianzhu University, Key Laboratory of Songliao Aquatic Environment, Ministry of Education
 2017 Chao Du, PhD candidate, Chinese Academy of Sciences, Institute of Geodesy and Geophysics

(f) Laboratory Manager (Supervisor)

- 2023 – Alexandra Lee Emmi, University of Florida
 2023 Andrea Nocentini, University of Florida
 2021 – 2023 Hayley Henderson, University of Florida
 2019 – 2021 Amy Wiedenfeld, University of Florida
 2017 – 2019 Chase O’Neil, University of Florida

Graduate-mentee Awards

- 2023 Genhong Gao, CALS Dean’s Graduate Assistantship, UF/IFAS
 2023 Haojie Cao, CALS Dean’s Graduate Assistantship, UF/IFAS
 2023 Yuxi Guo, 2022 Award of Excellence for Graduate Research (*‘Best Dissertation’ Award*), School of Forest, Fisheries, and Geomatics Sciences, UF/IFAS
 2022 Olena Leskova, Travel Grant, School of Forest, Fisheries, and Geomatics Sciences, UF/IFAS
 2022 Hui Zhao, Travel Grant, School of Forest, Fisheries, and Geomatics Sciences, UF/IFAS

- 2019 – 2020 Hui Zhao, Grinter Fellowship (\$2,000), University of Florida
 2019, 2020 Yuxi Guo, Travel Grant from the Ecological Society of America (ESA)
 2019 Yuxi Guo, Microbiome and Global Change Summer Institute (NSF-sponsored),
 University of California – Irvine

Graduate-mentee Conference Presentations († denotes graduate or undergraduate students advised as the committee chair or co-advisor)

- 2023 † Zhao, H., **Qiu, J.** Exploring the dynamics of urban agriculture development: An agent-based model investigating the impact of public support. *American Geophysical Union (AGU) Fall Meeting*, San Francisco, CA, USA (Oral presentation).
- 2023 † Guo, Y., Boughton, E.H., **Qiu, J.** Response of soil microbial carbon use efficiency to agricultural management and simulated climate change. *American Geophysical Union (AGU) Fall Meeting*, San Francisco, CA, USA (Poster presentation).
- 2023 † Guo, Y., Boughton, E.H., **Qiu, J.**, Bohlen, P., Chambers, L., Fauth, J., Jenkins, D.G., Quintana-Ascencio, P.F., Sonnier, G. Agricultural management alters wetland multifunctionality in a subtropical agroecosystems. *Ecological Society of America Annual (ESA) Annual Meeting*, Portland, OR, USA (Oral presentation).
- 2023 † Zhi, R., Petticord, D., † Guo, Y., Boughton, E.H., Sparks, J., Liao, H.L., **Qiu, J.** Soil fungal and arbuscular mycorrhiza communities in response to soil phosphorus gradient in managed subtropical grasslands. *Ecological Society of America Annual (ESA) Annual Meeting*, Portland, OR, USA (Oral presentation).
- 2023 † Guo, Y., Boughton, E.H., Martens-Habbena, W., **Qiu, J.** Wetland soil microbial responses to land intensification and an invasive macroinvertebrate. *2023 Greater Everglades Ecosystem Restoration Conference*, Coral Springs, FL, USA (Oral presentation).
- 2022 † Leskova, O., **Qiu, J.** Conservation issues regarding terrestrial-based renewable energy. *The 29th Wildlife Society Annual Conference*, Spokane, WA, USA (Oral presentation).
- 2022 † Zhao, H., Clarke, M., Campbell, C., **Qiu, J.** Public's perception of ecosystem service and consequent supportive behaviors for urban agriculture. *American Geophysical Union (AGU) Fall Meeting*, Chicago, IL, USA (Poster presentation).
- 2022 † Zhi, R., Boughton, E.H., **Qiu, J.** Assessing soil legacy phosphorus in subtropical managed grassland. *American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America Annual Meeting*, Baltimore, MD, USA (Poster presentation).
- 2022 † Zhao, H., Muneeppeerakul, R., Chang, N.B., **Qiu, J.** Assessing urban agriculture's resilience to multiple disturbances. *American Geophysical Union (AGU) Fall Meeting*, Chicago, IL, USA (Poster presentation).
- 2022 † Zhao, H., Chang, N.B., **Qiu, J.** The sustainability role of urban farming on urban food-energy-water nexus in a system dynamics modeling. *2022 International Conference on Water Resources and Environment Research* (Virtual meeting) (Oral presentation).
- 2021 † Guo, Y., Boughton, E.H., Swain, H., Sonnier, G., Bernacchi, C.J., Bohlen, P.J., DeLucia, E., Gomez-Casanovas, N., Sparks, J.P., **Qiu, J.** Effects of agricultural

- land-use intensity on multiple ecosystem services in subtropical grasslands. *Ecological Society of America (ESA) Annual Meeting*, USA (Virtual meeting) (Oral presentation).
- 2021 † Guo, Y., Boughton, E.H., Swain, H., Bernacchi, C.J., Bohlen, P.J., DeLucia, E., Gomez-Casanovas, N., Lollis, G., Sonnier, G., Sparks, J.P., **Qiu, J.** Effects of agricultural land-use intensity on multifunctionality of ecosystem services. *U.S. Long-Term Agroecosystem Research Annual Meeting*, USA (Virtual meeting) (Poster presentation).
- 2021 Wiedenfeld, A., † Guo, Y., † Huang, B., † Zhao, H., Pinto, B.B., **Qiu, J.** Effects of agricultural land management on soil denitrification: A meta-analysis. *Ecological Society of America (ESA) Annual Meeting*, USA (Virtual meeting) (Poster presentation).
- 2020 † Guo, Y., Boughton, E.H., **Qiu, J.** Tea bag decomposition in subtropical wetlands: Interactive effects of land-use intensity, cattle grazing and prescribed fire. *Ecological Society of America (ESA) Annual Meeting*, Salt Lake City, UT, USA (Virtual meeting) (Oral presentation).
- 2020 † Huang, B., Zipper, S.C., **Qiu, J.** Groundwater effects on global ecosystem services. *Ecological Society of America (ESA) Annual Meeting*, Salt Lake City, UT, USA (Virtual meeting) (Oral presentation).
- 2019 † Guo, Y., O'Neil, C., Pierre, S., Boughton, E.H., **Qiu, J.** Effects of an invasive apple snail on litter decomposition in a mesocosm experiment. *Ecological Society of America (ESA) – U.S. Society for Ecological Economics Joint Meeting*, Louisville, KY, USA (Oral presentation).
- 2017 † Burris, S., **Qiu, J.** Spatial and temporal dynamics of groundwater salinity in south Florida: The role of climate change, sea level rise, and anthropogenic groundwater use. *Ecological Society of America (ESA) Annual Meeting*, Portland, OR, USA (Poster presentation).

DEPARTMENTAL SEMINARS AND CONFERENCE PRESENTATIONS

Departmental Colloquia, Invited Seminars, and Panelists

- 2023 Invited panelist, “Scaling up urban agriculture as transformative change to advance social-ecological resilience and sustainability”, School of Natural Resources and Environment Research Symposium, University of Florida, Gainesville, FL, USA.
- 2022 Invited seminar, “Groundwater effects on multiple ecosystem services across scales”, University of Florida, Water Institute Distinguished Scholar Seminar.
- 2021 Invited seminar, “Groundwater effects on ecosystem services across local, regional, and global scales”, Department of Natural Resource Sciences, McGill University, Montreal, Quebec, Canada.
- 2021 Invited seminar, “Consequences of above- and belowground global change drivers for ecosystem services across scales”, Department of Geography, University of Cincinnati, Cincinnati, OH, USA.
- 2021 Invited seminar, “Groundwater effects on multiple ecosystem services across scales”, Biocomplexity Engineering Group seminar, Department of Agricultural and Biological Engineering, University of Florida, Gainesville, FL, USA.

- 2018 Invited panelist, “Invasive species and ecosystem services in a changing world”, 2018 Southeastern Ecology & Evolution Conference, University of Miami, Coral Gable, FL, USA.
- 2017 Invited seminar, “Managing ecosystem services in an urbanizing agricultural landscape: the role of landscape pattern, governance, changing climate, and biological invasions”. Chinese Academy of Sciences, Research Center for Eco-Environmental Sciences, Beijing, China.
- 2017 Invited seminar, “Managing ecosystem services and tradeoffs in an agricultural landscape: the role of landscape pattern, groundwater, policy and public perceptions”, Biocomplexity Engineering Group seminar, Department of Agricultural and Biological Engineering, University of Florida, Gainesville, FL, USA.
- 2017 Invited seminar, “Sustaining multiple ecosystem services in an agriculture-dominated landscape: the role of landscape pattern, governance, and changing climate”, Department of Biology, University of Miami, Coral Gable, FL, USA.
- 2017 Invited seminar, “Sustaining biodiversity and ecosystem services in an agriculture-dominated landscape”, Archbold Biological Station, Venus, FL, USA.
- 2017 Invited seminar, “Balancing multiple ecosystem services in an agricultural-dominated watershed: the role of landscape pattern, changing climate and biological invasions”, Department of Biological Sciences, Florida Atlantic University, Davie, FL, USA.
- 2017 Invited seminar, “Sustaining multiple ecosystem services in an agricultural landscapes”, Tropical Research and Education Center, University of Florida, Homestead, FL, USA.
- 2016 Invited seminar, The Nature Conservancy, “Sustaining ecosystem services and human well-being in the Anthropocene”, Madison, WI, USA.
- 2016 Invited panelist, Resilience Alliance Conference 2017, “Inequality and the Biosphere: Exploring the interactions between the biosphere and human well-being through the lens of inequality”, Stockholm, Sweden.

Invited Conference Presentations

- 2024 **Qiu, J.** Zhi, R., Boughton, E.H., Li, H., Henderson, C.R.B., Petticord, D.F., Sparks, J., Reddy, K.R. Unravelling spatial heterogeneity of soil legacy phosphorus in subtropical grasslands. *2024 University of Florida Water Institute Symposium*, Gainesville, FL, USA (Invited oral presentation).
- 2023 **Qiu, J.** Scaling up urban agriculture as transformative change to advance social-ecological resilience and sustainability. *The 12th International Symposium on Modern Ecology*, Taigu, Shanxi, China (Invited keynote speaker).
- 2020 **Qiu, J.** Quantitative evidence on the contributions of grassland ecosystem services to human wellbeing. *2020 U.S. Ecological Society of America (ESA) Annual Meeting*, Salt Lake City, UT, USA (Invited oral presentation).
- 2019 **Qiu, J.** Invited panelist, Special Session, Towards Integrated Models Incorporating the Biodiversity-Production Mutualism. *2019 Ecological Society of America (ESA) – U.S. Society for Ecological Economics (USSEE) Joint Meeting*, Louisville, KY, USA (Invited oral presentation).

- 2019 **Qiu, J.** Consequences of above- and belowground drivers for ecosystem services across scales. *The 7th Landscape Sustainability Science Forum*, Xining, Qinghai, China (Invited keynote speaker).
- 2019 **Qiu, J.** Effects of land-use intensity and biodiversity on multiple ecosystem services and their tradeoffs. *The 10th International Symposium on Modern Ecology*, Baoding, Hebei, China (Invited keynote speaker).
- 2017 **Qiu, J.**, Wardropper, C.B., Mase, A., Booth, E., Rissman, A. Bridging landscape ecology and social sciences: insights into sustaining ecosystem services in an agriculture-dominated watershed. *US – International Association of Landscape Ecology (US – IALE) Annual Meeting*, Baltimore, MD, USA (Invited oral presentation).
- 2017 **Qiu, J.**, Cardinale, B.J. Scaling relationships between biodiversity and ecosystem services from ecological experiments to human-dominated landscapes. *Ecological Society of America (ESA) Annual Meeting*, Portland, OR, USA (Invited oral presentation).
- 2017 **Qiu, J.**, Sustaining multiple ecosystem services in an agriculture-dominated landscape. *The 9th International Symposium on Modern Ecology*, Shanghai, China (Invited keynote speaker).
- 2016 **Qiu, J.**, Game, E.T., Tallis, H., Olander, L.P. Causal networks linking ecosystem change and society: from theory to application. *A Community on Ecosystem Services (ACES) Conference*, Jacksonville, FL, USA (Invited oral presentation).

Contributed Conference Presentations

- 2024 **Qiu, J.**, Zhao, H. Transformative change in urban food systems to advance urban resilience and sustainability. *2024 American Association of Geographers*, Honolulu, Hawaii, USA (Oral presentation).
- 2023 **Qiu, J.**, O’Neil, C., Guo, Y., Pierre, S., Boughton, E.H. Invasive snails alter multiple ecosystem functions and services in subtropical wetlands. *2023 Greater Everglades Ecosystem Restoration Conference*, Coral Springs, FL, USA (Oral presentation).
- 2021 **Qiu, J.**, Zhi, R., Boughton, E.H., Sparks, J. Spatial variability in soil legacy phosphorus in subtropical grasslands under different management intensities. *Ecological Society of America (ESA) Annual Meeting* (Virtual meeting) (Oral presentation)
- 2019 **Qiu, J.**, O’Neil, C., Guo, Y., Fahey, C., Chen, K., Liao, H., Flory, S.L. Interactive effects of drought and grass invasion on carbon and nitrogen cycling. *Ecological Society of America (ESA) – US Society for Ecological Economics (USSEE) Joint Meeting*, Louisville, KY, USA (Oral presentation).
- 2019 **Qiu, J.**, Queiroz, C., Bennett, E.B., Cord, A., Crouzat, E., Lavorel, S., Maes, J., Meacham, M., Norstrom, A., Peterson, G., Seppelt, R., Turner, M.G. Ecosystem service relationships along land-use gradients: Synthesis of patterns across regional social-ecological systems. *U.S. – International Association of Landscape Ecology (US – IALE) Annual Meeting*, Boulder, CO, USA (Oral presentation).
- 2018 **Qiu, J.**, Carpenter, S.R., Booth, E.G., Motew M., Kucharik, C.J. Spatial and temporal variability of future ecosystem services in an agricultural landscape.

- Ecological Society of America (ESA) Annual Meeting*, New Orleans, LA, USA (Oral presentation).
- 2018 **Qiu, J.**, Carpenter, S.R., Booth, E.G., Motew M., Zipper, S.C., Kucharik, C.J., Loheide, S.P., Turner, M.G. Understanding relationships among ecosystem services across spatial scales and over time. *U.S. – International Association of Landscape Ecology (US – IALE) Annual Meeting*, Chicago, IL, USA (Oral presentation).
- 2017 **Qiu, J.**, Zipper, S.C., Motew, M., Booth, E., Kucharik, C.J., Loheide, S.P. Nonlinear ecosystem services response to groundwater availability under climate extremes. *American Geophysical Union (AGU) Fall Meeting*, New Orleans, LA, USA (Oral presentation).
- 2017 **Qiu, J.**, Fletcher, P., Laughinghouse, H.D., Her, Y.G., Smyth, A.R., Badher, B. Developing a methodology to promote resilient socio-ecological systems in South Florida, USA. *International Council for the Exploration of the Sea (ICES) Annual Meeting*, Fort Lauderdale, FL, USA (Poster presentation).
- 2016 **Qiu, J.**, Carpenter, S.R., Booth, E.G., Metow, M.M., Kucharik, C.J., Zipper, S.C., Seifert, J.M., Chen, X., Turner, M.G. Spatial-temporal dynamics of future ecosystem services in an urbanizing agricultural landscape. *Ecological Society of America (ESA) Annual Meeting*, Fort Lauderdale, FL, USA (Oral presentation).
- 2015 **Qiu, J.**, Turner, M.G. Consequences of exotic Asian earthworm (*Amyntas agrestis*) invasion for the Midwestern forest and prairie soils. *Ecological Society of America (ESA) Annual Meeting*, Baltimore, MD, USA (Oral presentation).
- 2015 **Qiu, J.**, Wardropper, C.B., Rissman, A.R., Turner, M.G. Joint spatial analysis of water policies and hydrologic ecosystem services in an urbanizing agricultural landscape. *9th International Association of Landscape Ecology World Congress*, Portland, OR, USA (Oral presentation).
- 2015 **Qiu, J.**, Zipper, S.C., Kucharik, C.J. Influence of drought on U.S. crop production: variability and sensitivity of response. *American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America Annual Meeting*, Minneapolis, MN, USA (Oral presentation).
- 2015 **Qiu, J.**, Wardropper, C., Rissman, A., Turner, M.G. Sustaining hydrologic ecosystem services: role of landscape pattern and multi-level water governance. *National Science Foundation (NSF) Water Sustainability and Climate (WSC) Investigator Meeting*, Arlington, VA, USA (Poster presentation).
- 2014 **Qiu, J.**, Turner, M.G. Importance of landscape heterogeneity in sustaining hydrologic ecosystem services in an urbanizing agricultural watershed. *Ecological Society of America (ESA) Annual Meeting*, Sacramento, CA, USA (Oral presentation).
- 2013 **Qiu, J.**, Booth, E.G., Carpenter, S.R., Turner, M.G. Spatially explicit scenarios analysis for hydrologic services in an urbanizing agricultural watershed. *American Geophysical Union (AGU) Fall Meeting*, San Francisco, CA, USA (Oral presentation).
- 2013 **Qiu, J.**, Booth, E.G., Carpenter, S.R., Turner, M.G. Spatially explicit assessment of ecosystem service vulnerability in an agricultural landscape under alternative

- future scenarios. *Ecological Society of America (ESA) Annual Meeting*, Minneapolis, MN, USA (Poster presentation).
- 2012 **Qiu, J.**, Turner, M.G. Spatial interactions among multiple ecosystem services in an urbanizing agricultural landscape in the Upper Midwest. *The 2012 Long-Term Ecological Research (LTER) All Scientists Meetings (ASM)*, Estes Park, CO, USA (Poster presentation).
- 2012 **Qiu, J.**, Turner, M.G. Spatial interactions among ecosystem services in an urbanizing agricultural landscape in the Upper Midwest. *Ecological Society of America (ESA) Annual Meeting*, Portland, OR, USA (Poster presentation).
- 2010 **Qiu, J.**, Wang, X., Lu, F., Ouyang, Z. Landscape fragmentation and its relations with urbanization and social and economic developments in Beijing. *Ecological Society of America (ESA) Annual Meeting*, Pittsburgh, PA, USA (Oral presentation).
- 2010 **Qiu, J.**, Wang, X., Zheng, H., Ouyang, Z. Spatial temporal dynamics landscape fragmentation and its implications for urban sustainability. *China Development Strategy Society for Sustainability*, Beijing, China (Oral presentation).

INVITED WORKSHOPS

- 2023 “*Inequality and the Biosphere*” Workshop, Beijer Institute of Ecological Economics, The Royal Swedish Academy of Sciences, Stockholm, Sweden.
- 2023 Invasive Apple Snail Workshop: Impacts, Biology, Ecology, and Management (Invited speaker), U.S. Department of Agriculture.
- 2023 USDA Agriculture and Food Research Initiative, Foundational Knowledge of Agricultural Production Systems (A1102) program Project Director Meeting.
- 2016 – 2021 Beijer Young Scholar Workshop (one full-week workshop every year), “*Biosphere and Inequality*”, Beijer Institute of Ecological Economics, The Royal Swedish Academy of Sciences, Stockholm, Sweden.
- 2019 Foundation for Food and Agricultural Research, and the New Lab, “*Smart Urban Food Summit*”, New York City, NY, USA.
- 2018 NASA Workshop, “*Linkages between Earth Observations and Ecosystem Services*”, Institute on the Environment, University of Minnesota, Minneapolis, MN, USA.
- 2016 Program on Ecosystem Change and Society (PECS) Workshop, “*Synthesizing Ecosystem Service Bundles and Multi-functionality across Global Socio-Ecological Systems*”, Stockholm Resilience Center, Stockholm, Sweden.
- 2016 Science Solution Space workshop, “*Single Large vs. Several Small: Climate-smart Conservation Strategies in Midwestern Grassland Systems*”, Ordway Prairie, Leola, SD, USA.
- 2016 The Nature Conservancy, “*Causal Chain Principles to Take Ecosystem Services from Popular Concept to Widespread Impact*”, Center for Global Conservation, New York, NY, USA
- 2016 The Nature Conservancy, “*Evidence Chain Workshop*”, Hvalfjardarsveit, Iceland.

- 2015 Program on Ecosystem Change and Society (PECS) Workshop, “*Ecosystem Service Trade-offs and Synergies: Synthesizing and Learning across Case-Studies*”, Stockholm Resilience Center, Stockholm, Sweden.
- 2015 National Science Foundation (NSF) Data Science Workshop, “*Big Data and Data Science Challenges*”, University of Washington – Seattle, Seattle, WA, USA.
- 2015 The National Socio-Environmental Synthesis Center, “*Computational Summer Institute*”, Annapolis, MD, USA.

EXTENSION PUBLICATIONS AND TECHNICAL REPORTS

11. **Qiu, J.**, Bravo, L. 2023. Scenario planning in managing ecosystem services and natural resources. UF/IFAS EDIS FOR 394. DOI: <https://doi.org/10.32473/edis-FR465-2023>.
10. **Qiu, J.**, † Zhao, H. 2023. Understanding ecosystem services from urban agriculture. UF/IFAS EDIS FR461. DOI: <https://doi.org/10.32473/edis-FR461-2023>.
9. **Qiu, J.**, † Zhao, H., Bravo, L., Ryals, J. 2023. Urban agriculture and its sustainability implications on the food-water-energy nexus. UF/IFAS EDIS FOR391. DOI: <https://doi.org/10.32473/edis-FR463-2023>.
8. † Zhao, H., Chang, N.B., **Qiu, J.** 2022. Dynamical system modeling analysis of urban agriculture in a food-water-energy nexus. *Proceedings of the 9th International Conference on Water Resources and Environment Research*. Orlando, FL, USA.
7. **Qiu, J.**, Bayabil, H.K., Li, Y. 2020. Indoor vertical farming systems for food security and resource sustainability. UF/IFAS EDIS FOR360. Available at: <https://edis.ifas.ufl.edu/fr429>.
6. Her, Y., Smyth, A., **Qiu, J.**, Bassil, E., Stingl, U., Reynolds, L. 2020. Online sources for sea level rise education and extension. UF/IFAS EDIS AE543. Available at: <https://edis.ifas.ufl.edu/ae543>.
5. Her, Y., Smyth, A., Fletcher, P., Bassil, E., Stingl, U., Brym, Z., **Qiu, J.** 2018. Hurricane impacts on Florida’s agriculture and natural resources. EDIS AE528. Available at: <https://edis.ifas.ufl.edu/ae528>.
4. Liu, J., Li, D., Wang, X., Fan, X., **Qiu, J.** 2010. Environmental impact assessment of 295,000-acre fast-growing forest base in *Wenshan*, Yunnan Province, China. Report submitted to the State Forestry Administration of China.
3. Liu, J., Li, D., Wang, X., Fan, X., **Qiu, J.** 2010. Environmental impact assessment of 630,000-acre fast-growing forest base in *Simao*, Yunnan Province, China. Report submitted to the State Forestry Administration of China.
2. Ouyang, Z., Xu, W., **Qiu, J.**, Lu, C. 2010. Spatial characteristics of ecosystem services and ecological land-use classification research in Beijing, China. Report submitted to Beijing Municipal Bureau of Land and Resources, China.
1. Ouyang, Z., Xu, W., Zheng, H., **Qiu, J.**, Li, X. 2010. Eco-environmental assessment and ecological restoration strategy of *Yushu* Earthquake, Qinghai, China. Report submitted to the Ministry of Environmental Protection of China.

EXTENSION AND OUTREACH ACTIVITIES

- 2023 Environmental Stewardship Field Day, “Unravelling spatial heterogeneity of soil legacy phosphorus in subtropical grasslands”, Archbold Biological Station, Lake Placid, FL, USA

- 2019 – 2021 UF/IFAS “Sustainable Urban Food Production Short-Course” (a series of six week training comprising of lectures and hands-on workshops on sustainable urban agriculture geared for small farmers, urban farmers, community gardeners, backyard gardeners and entrepreneurs) ([link](#)) (Annual offering)
- 2019 – 2023 Extension training, “Sustainable Urban Agriculture”, Broward County Master Gardener Program (Annual offering)
- 2022 Extension In-Service Training, “FLREC Invasive species in service training”, University of Florida, IFAS Extension, Davie, FL, USA
- 2019 In-Service Training (IST), “Sustainable Urban Agriculture and Technology Integration”, 2019 UF/IFAS [IST](#) on *Enhancing Hydroponically Grown Lettuce as an Alternative Crop for Local Production in Central and South Florida*.
- 2019 Extension presentation, “Urban Farming in South Florida: Production, Management and Sustainability”, Master Gardener weekly extension seminar
- 2018 Extension article, “Hurricane impacts on Florida’s agriculture and natural resources”, UF/IFAS, Electronic Data Information Source (EDIS).
- 2018 Invited speaker, University of Florida Broward County Extension, “Hydroponic Solutions for Urban Food Production”.
- 2018 Florida Broward County Extension, Advisory Board
- 2018 Speaker and organizer, Sawgrass Nature Center, Camp Wild, “Living shoreline and water quality in South Florida”.
- 2016 Invited speaker, 16th Annual Science Day, University of Wisconsin-Madison Arboretum, “Effects of exotic Asian earthworm invasion on temperate forest and prairie ecosystems”.
- 2015 Invited speaker, 15th Annual Science Day, University of Wisconsin-Madison Arboretum, “Consequences of non-native earthworms (*Amyntas agrestis*) for Wisconsin forest and prairie soils”.
- 2015 9th Annual Nelson Institute Earth Day Conference: Hard Science, Tough Choices. “A Newly Arrived Underground Invader in the Midwest”.
- 2015 Guest instructor, University of Wisconsin-Madison Preschool Laboratory, Madison WI. Co-developed and co-led a hands-on lesson about birds and habitats.
- 2015 2015 Wisconsin Science Festival, Madison, WI. Zoology Department Booth, “Camouflage, museum specimens, and foraging games”.
- 2015 Darwin Day 2015, J. F. Crow Institute for the Study of Evolution, Madison, WI. “Eat or be eaten: How animals find food in a dangerous world”.
- 2014 12th Annual University of Wisconsin-Madison’s Science Expeditions, Madison, WI. “Museum specimen and animal forage games”.
- 2014 Earth Day Every Day, Toki Middle School, Madison, WI. “Envisioning the Future of the Yahara Watershed in southern Wisconsin: Water, Agriculture and Climate Change.”

PROFESSIONAL LEADERSHIP AND SERVICES

Journal Editorial

Editorial Board Member:

Landscape Ecology (2021 – present)

Ecosystems (2023 – present)

Sustainability (2019 – present)

Guest Editor for Special Issue in *Landscape Ecology*, “Understanding relationships between biodiversity and ecosystem services in real landscapes” (2021 – 2023)

Invited Book Proposal Reviewer for: (1) *Watershed Erosion Processes*, 2017, Earth Sciences, Geography, and Environment, Springer Nature Publishing; (2) *Sustainable Synergy in the Water-Energy-Food Nexus: A Digital Framework for Developing Economies*, 2023, Elsevier Science & Technology Books

Manuscript Reviewer (average 12-15 reviews per year): *Proceedings of the National Academy of Sciences*, *Nature Sustainability*, *Nature Communications*, *Trends in Ecology and Evolution*, *Frontiers in Ecology and the Environment*, *Ecology*, *Computation Biology*, *Journal of Applied Ecology*, *Journal of Ecology*, *Global Environmental Change*, *BioScience*, *Ecosystems*, *One Earth*, *Ecography*, *Current Opinion in Environmental Sustainability*, *Landscape Ecology*, *Science of the Total Environment*, *Landscape and Urban Planning*, *Oecologia*, *Journal of Hydrology*, *Biodiversity and Conservation*, *Biological Invasions*, *Ecosystem Services*, *Ambio*, *Applied Geography*, *Remote Sensing*, *Urban Forestry & Urban Greening*, *Journal of Environmental Planning and Management*, *Ecology and Society*, *Environmental Science and Pollution Research*, *Urban Ecosystems*, *Pacific Science*, *Forests*, *Sustainability*, *Ecosystem Health and Sustainability*, *Acta Ecologica Sinica*, *Remote Sensing Technology and Application*, *PLOS ONE*

Grant Proposal Review and Panel

Grant Proposal Reviewer and Panelist for: *US Department of Agriculture (USDA) National Institute of Food and Agriculture (NIFA)* (2018, 2023)

Grant Proposal Reviewer and Panelist for: *New York Sea Grant* (2023)

Grant Proposal Reviewer and Panelist for: *Mississippi-Alabama Sea Grant* (2023)

Grant Proposal Reviewer for: *The David S. Maehr Florida Wildlife Corridor Applied Science Fellowship* (2023)

Grant Proposal Reviewer and Panelist for: *NSF Convergence Accelerator* (2021)

Grant Proposal Reviewer and Panelist for: *NSF Graduate Research Fellowship Program (GRFP) Geoscience* (2019)

Grant Proposal Ad hoc Reviewer for: *Natural Sciences and Engineering Research Council of Canada (NSERC)* (2019)

Grant Proposal Ad hoc Reviewer for: *Natural Environment Research Council (NREC), United Kingdom* (2019)

Grant Proposal Review for: *Minnesota Invasive Terrestrial Plants and Pests Center (MITPPC), College of Food, Agricultural and Natural Resource Sciences at the University of Minnesota* (2019)

Conference Organization

Conference Session Organizer, “Steering urban agriculture as nature-based solutions to advance social-ecological resilience and sustainability”, *2024 Ecological Society of America (ESA) Annual Meeting*, August 4 – 9, 2024

- Conference Session Co-organizer, “Inequality and the Biosphere: Exploring relationships between social inequalities and environmental change”, *PECS-III: Pathways to Sustainability*, Montreal, Canada, August 12 – 15, 2024
- Conference Session Organizer, “Investigating Hotspots of Soil Legacy Phosphorus and Management for Soil P Remediation”, *The 9th University of Florida Water Institute Symposium*, Gainesville, FL, USA, February 20 – 21, 2023
- Symposium Planning Committee, *The 9th University of Florida Water Institute Symposium*, Gainesville, FL, USA, February 20 – 21, 2024
- Conference Planning Committee, *The 9th International Conference on Water Resources and Environmental Research*, Orlando, FL, USA, April 25 – 27, 2022
- Conference Session Co-organizer, “A social-ecological approach to rangeland ecosystem services: Identifying the diverse contributions to human well-being”, *2020 Ecological Society of America (ESA) Annual Meeting*, Salt Lake City, UT, USA, August 3 – 6, 2020
- Conference Session Co-organizer, “Residential landscape ecology: Patterns of biodiversity, ecological processes, and their interactions”, *2019 US – IALE (International Association of Landscape Ecology) Annual Meeting*, Fort Collins, CO, USA, April 7 – 11, 2019
- Conference Session Organizer, “Understanding the relationships between biodiversity and ecosystem services at the scale of real-world landscapes”, *2017 Ecological Society of America (ESA) Annual Meeting*, Portland, OR, USA, August 6 – 11, 2017
- Conference Session Co-organizer, “Ecosystem service tradeoffs and synergies: patterns across case-studies”, *European Ecosystem Services Conference*, Belgium

Professional Services

- Tampa Bay Estuary Program Subcommittee Member, Comprehensive Conservation and Management Plan (2023 – present)
- Academic Committee Member: *Landscape Sustainability Science Forum* (2019 – present)
- Project Collaborator, NSF Long-Term Ecological Research Network, Florida Coastal Everglades, Florida (2018 – present)
- Contributor, *Southeast Florida Regional Climate Action Plan (RCAP) 3.0.*, Agriculture and Natural Systems Working Group (2018 – 2020)
- Department Services (2017 – present): *Faculty Search & Screening Committee, Extension Council, Distant Education Committee, Undergraduate Committee, Graduate Program Committee, Diversity, Equity and Inclusion, Chemistry lab and Space Committee, Graduate Student Housing and Office Committee (Chair)*
- Internal Reviewer (6 proposals), USDA Hatch and McIntire-Stennis Project (2017 – present)
- Internal Reviewer for EDIS publications (8 times) (2018 – 2021)
- Graduate Student Representative, Department of Zoology, University of Wisconsin – Madison
- Graduate Student Representative, Wisconsin Ecology, University of Wisconsin – Madison
- Graduate Student Representative, *Delta Program in Teaching and Learning*, Center for the Integration of Research, Teaching and Learning, University of Wisconsin – Madison

RELEVANT PROFESSIONAL TRAINING

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| 2023 | UF/IFAS Grant Writers Workshop, Gainesville, FL. |
| 2018 | NOAA Planning for Meaningful Evaluation Training, Davie, FL. |

- 2017 Extension Faculty Development Academy, University of Florida.
- 2017 NOAA Planning Effective Projects Training, Davie, FL.
- 2014 Structural Equation Modeling workshop, led by Dr. James Grace (U.S. Geological Survey), Madison, WI.
- 2010 Integrated Valuation of Ecosystem Services and Tradeoffs (InVEST) Modeling Training, Beijing, China.
- 2009 Advanced Seminar of Object-oriented Land Use Classification and Image Analysis, Beijing Space Eye Innovation Technology Center, Beijing, China.
- 2008 ArcGIS Certification Program, Beijing ESRI (Environmental Systems Research Institute) Training Center, Beijing, China.

SELECTED RESEARCH MEDIA COVERAGE

- 2023 Press Release: “Learn to grow food locally, UF/IFAS’ award-winning urban food production short course is back”, by Lourdes Mederos, UNIVERSITY OF FLORIDA/IFAS NEWS ([link](#))
- 2023 Press Release: “Invasive apple snails in your backyard, waterways? UF/IFAS study dives into their threat to Florida’s wetlands”, by Lourdes Mederos, UNIVERSITY OF FLORIDA/IFAS NEWS ([link](#))
- 2021 Naples Daily News, “Varying annual rainfall could affect Florida ranchers”, by Karl Schneider ([link](#))
- 2021 Radio interview, “IFAS Climate study”, by Trevor Williams in Southeast Regional Ag News ([link](#))
- 2021 Press Release, “USDA grant looks at mitigating climate change impacts on Florida grasslands”, by Lourdes Mederos in Morning AgClips ([link](#)), also in SoutheastAgNet ([link](#))
- 2021 News Article, “Sustainable urban food production workshop series returning to Davie”, by Brett Shweky in Sun Sentinel ([link](#))
- 2021 Press Release, “Back by popular demand: UF/IFAS Extension Broward urban sustainable food production short-course”, by Lourdes Mederos ([link](#))
- 2020 Press Release: “Is indoor farming a solution? UF/IFAS scientists explain” by Lourdes Mederos in Vegetable Growers News ([link](#)), also in Brevard Business News
- 2020 WINK News, “Indoor, vertical farming becoming more of a reality, UF researchers find”, by reporter Stephanie Byrne ([link](#))
- 2020 NO-TILL FARMER, News article, “Getting a jump on jumping worms”, by Julia Gerlach ([link](#))
- 2019 Nature Sustainability News and Views, “Including the subsurface in ecosystem services” by P. James Dennedy-Frank ([link](#))
- 2019 Press Release: “Looking below the surface for landscape resilience” by Tom Ziemer UNIVERSITY OF WISCONSIN-MADISON NEWS ([link](#));
- 2018 LTER Science Update, “Maintaining ecosystem services in the Yahara watershed and beyond” by Alex Jamis ([link](#))

- 2018 BioScience Talks, Interview, “One thing leads to another: Causal chains linking health, development, and conservation” by James Verdier ([link](#))
- 2018 Press Release: “One thing leads to another: Causal chains linking health, development, and conservation” by James Verdier, *BioScience*, published in EurekAlert ([link](#)); also printed in Science Daily ([link](#)).
- 2018 Press Release: “Evidence principles for sustainability challenges”, by Cool Green Science ([link](#))
- 2018 Press Release: “Connecting the dots between social inequalities and environmental change”, by Stockholm Resilience Center, Sweden ([link](#))
- 2018 Newsletter, “Ranch wetland mesocosm on invasive Island Apple Snail”, Archbold Biological Station November 2018 Newsletter
- 2017 LTER Science Update, “Invasive earthworms and their effects on Midwestern soils”, by Madison Harris ([link](#))
- 2017 Research Brief: “Meeting our future water needs” ([link](#))
- 2016 PBS documentary, “Yahara Watershed: A Place of Change”, WISCONSIN PUBLIC TELEVISION ([link](#))
- 2016 THE WASHINGTON POST, “Invasive ‘Jersey Wiggler’ jumping worms devouring forest floors” by staff writer Ben Guarino ([link](#))
- 2016 Press Release: “Voracious Asian jumping worms strip forest floor and flood soil with nutrients” by Chris Barncard, UNIVERSITY OF WISCONSIN-MADISON NEWS ([link](#)); also printed in Science Daily ([link](#)); eScience ([link](#)); Phys.Org ([link](#))
- 2016 News Article: “Worming their way into Wisconsin” by Denise Thornton & Doug Hansmann in ISTHMUS ([link](#))
- 2016 WISCONSIN PUBLIC RADIO: “Invasive Asian jumping worm could cause problems for Wisconsin’s forests, farms” by Brady Carlson ([link](#))
- 2016 Research Brief: “A method to bridge scenario narratives and biophysical models to explore multiple drivers of regional socio-ecological change” ([link](#))
- 2016 “Two schools of thought are better than one for water sustainability solutions” by Jenny Seifert, UNIVERSITY OF WISCONSIN-MADISON WATER SUSTAINABILITY AND CLIMATE ([link](#))
- 2016 Mini-documentary on Water Sustainability and Climate research in the Yahara Watershed—*Changes and Choices in the Yahara*, featured perspectives on landscape analysis of ecosystem services ([link](#))
- 2016 Newspaper Article, “Land arrangement alters water quality” by Michael Frett in the DAILY CARDINAL ([link](#))
- 2016 Newspaper Article, “Worms invade Wisconsin soils, potentially harm plants” by Julie Spitzer in the DAILY CARDINAL ([link](#))
- 2016 News Article: “Earthworms: Can these gardeners’ friends actually become foe” by Sharon Oosthoek, SCIENCE NEWS for STUDENTS ([link](#))
- 2016 News Release, “How will drought affect US maize and soybean production?” by James Tyrrell, ENVIRONMENTAL RESEARCH WEB ([link](#))
- 2015 Research Brief: “Yahara 2070 scenarios can inspire ideas and actions for a desirable future” ([link](#))

- 2015 Press Release: “Small landscape changes can mean big freshwater gains” by Jenny Seifert, UNIVERSITY OF WISCONSIN-MADISON NEWS ([link](#)); also printed in SCIENCE DAILY ([link](#)); EUREKALERT ([link](#))
- 2015 Research Brief: “Optimizing the benefits of our ecosystems will require holistic landscape management” ([link](#))
- 2015 International Association of Landscape Ecology (IALE) Student Spotlight, US-IALE Newsletter, August 2015 by staff writer ([link](#))
- 2015 Research Blog: “Research Q&A: How invasive species affect greenhouse gas emissions” by Jiangxiao Qiu and Jenny Seifert ([link](#))
- 2015 NATURE “Petition calls for lay summaries in ecology journals” by Chris Woolston ([link](#))
- 2014 “Invasive Jumping Earthworm Found in the Midwest” by Sheila Eldred, DISCOVERY NEWS ([link](#))
- 2014 “Hungry, invasive crazy worm makes first appearance in Wisconsin” by Chris Barncard, UNIVERSITY OF WISCONSIN-MADISON NEWS ([link](#))
- 2014 “Responding to a shock to the system: the Asian crazy worm” by Jenny Seifert, UNIVERSITY OF WISCONSIN-MADISON WATER SUSTAINABILITY AND CLIMATE ([link](#))
- 2014 “Field mesocosm experiment on invasive earthworms”, filmed by Zac Schultz, Wisconsin Public Television
- 2013 “Ecologists map the benefits of our ecosystems” by Jill Sakai, UNIVERSITY OF WISCONSIN-MADISON NEWS ([link](#)); also printed in SCIENCE DAILY ([link](#)), EUREKALERT ([link](#)), SENSORS & SYSTEMS ([link](#)), SCIENCE 360 NEWS ([link](#))
- 2013 “Tradeoffs and win-wins in ecosystem services” by Jenny Seifert, UNIVERSITY OF WISCONSIN-MADISON WATER SUSTAINABILITY AND CLIMATE ([link](#))

PROFESSIONAL MEMBERSHIPS

- Member, Ecological Society of America (ESA)
- Member, American Geophysical Union (AGU)
- Member, American Association for the Advancement of Science (AAAS)
- Member, American Association of Geographers (AAG)
- Member, American Society of Agronomy, Crop Science Society of America, Soil Science Society of America
- Member, The Long-Term Ecological Research Network (LTER)
- Member, U.S. International Association for Landscape Ecology (US-IALE)
- Member, The Ecosystem Service Partnership (ESP)
- Member, Programme on Ecosystem Change and Society (PECS)
- Member, Society for Conservation Biology (SCB)

REFERENCES

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