

John E. Quinn, Ph.D.

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EDUCATION

B.S. Environmental Science, Drake University	2003
B.A. Environmental Policy, Drake University	2003
M.S. Biology, University of Louisiana at Monroe	2006
Ph.D. Natural Resources (Applied Ecology), University of Nebraska-Lincoln	2010

PROFESSIONAL POSITIONS

Henry Keith and Ellen Hard Townes Professor of Biology, Furman University	2024-2026
Henry Keith and Ellen Hard Townes Associate Professor of Biology, Furman Uni	2023-2024
Associate Professor of Biology, Furman University	2018-present
Assistant Professor of Biology, Furman University	2012-2018
Postdoctoral Researcher, University of Nebraska-Lincoln	2010-2012
Graduate Research Assistant, University of Nebraska-Lincoln	2006-2010
Graduate Research Assistant, University of Louisiana at Monroe	2004-2006
Research Technician with Wildlife Conservation Society, U. of Missouri, Drake U.	2001-2003

REFEREED JOURNAL MANUSCRIPTS

underline = student co-author

- Hogan, J. A., J. W. Lichstein, E. H. Helmer, M. E. Craig, E. Fricke, V. Henrich, S. A. Kannenberg, C. Koven, K. Klein Goldewjik, D. Lapola, Y. Li, Y. Malhi, **J. E. Quinn**, S. Roe, C. Terrer, E. Vilanova, A. P. Walker, K. Zhu, E. C. Ellis. 2024. Anthromes and forest carbon responses to global change. *Plants, People, Planet*. 1-16
<http://doi.org/10.1002/ppp3.10609>
- Quinn, C., Cohen, M. **Quinn, J.E.** 2024. Hurricane Helene: Perspectives of Sustainability Science Students. *Sustainability and Climate Change*.
- Ortel E. Vickery, C., **Quinn, J.E.** 2024. Linked spatial and temporal success of urban growth boundaries to preserve ecosystem services. *Landscape and Urban Planning*. 250, <https://doi.org/10.1016/j.landurbplan.2024.105134>
- Quinn, J.E.** E.B. Hyland, C. Fergus, C. Vickery, I. Lacher T. Akre. 2024. Co-developed land use scenarios for ecosystem service modeling: lessons learned for scale and framing. *Land*. 13, 1340. <https://doi.org/10.3390/land13091340>
- Challéat, S. and the Silent Cities project consortium. 2024. A dataset of acoustic measurements from soundscapes collected worldwide during the COVID-19 pandemic. *Scientific Data*. 11, 928. <https://doi.org/10.1038/s41597-024-03611-7>
- Vickery, C. **Quinn, J.E.** 2024. Forest, Climate, and Policy Literature lacks acknowledgement of environmental justice, diversity, equity, and inclusion. *Journal of Environmental Management*. 358: <https://doi.org/10.1016/j.jenvman.2024.120804>
- Quinn, J.E.**, Pederson, C., Vickery, C., Hyland, E., and Eckberg, J.O. 2024. Acoustic indices are responsive to local-scale but not landscape-scale agricultural land use. *Ecological Indicators* Volume 160: 111868. <https://doi.org/10.1016/j.ecolind.2024.111868>

8. Rydhmer, Klas, Eckberg, J.O., Lundgren, J.G., Jansson, S, Still, L., **Quinn J.E.**, Washington, R. Lemmich, J., Nikolajsen, T., Sheller, N., Michels, A.M., Bredeson M. M., Rosenzweig, S.T., Bick, E.N. 2024. Automating an insect biodiversity metric using distributed optical sensors: an evaluation across Kansas, USA cropping systems *eLife* 13:RP92227 <https://doi.org/10.7554/eLife.92227.1>
9. **Barnes, I.**, and **Quinn, J.E.** 2023. Passive Acoustic Sampling Enhances Traditional Herpetofauna Sampling Techniques in Urban Environments. *Sensors*. 23(23), 9322; <https://doi.org/10.3390/s23239322>
10. **Hyland, E.**, **Quinn, J.E.** 2023. Conservation spillover effect of UNESCO World Heritage Sites into surrounding landscapes. *PeerJ*. <https://doi.org/10.7717/peerj.15858>
11. **Vickery, C.** and **Quinn, J.E.** 2023. Climate-altered Precipitation is more Important than Land Use when Modeling Ecosystem Services Associated with Surficial Processes. *Environmental Management*. 72(6):1216-1227 <https://doi.org/10.1007/s00267-023-01861-6>
12. **Albright, M.G.**, **C. Vickery**, **R. Bower**, **Quinn, J.E.** 2023. Patterns of land use change, land governance, and the supply of ecosystem services in a multifunctional landscape: A case study from Upstate SC, USA. *Journal of Land Use Science*.18(1): <https://dx.doi.org/10.1080/1747423X.2023.2234903>
13. **Gambrill, K.**, **Palladino, C.**, **Allen, K.E.**, **Homoky, E.G.**, **Quinn, J.E.** 2023. Southern Spatial Stories: Interdisciplinary perceptions of shifting spatial awareness and values. *Landscape Ecology*. <https://doi.org/10.1007/s10980-023-01625-x>
14. **Hyland, E.**, **Schultz, A.**, **Quinn, J.E.** 2023. Quantifying the Soundscape: How Filters Change Acoustic Indices. *Ecological Indicators*. 148. <https://doi.org/10.1016/j.ecolind.2023.110061>
15. **Miles, A.** **Quinn, J.E.** **Cohen, M.** 2023. Missing Goals Yet Tangible Indicators within Sustainability Assessment Literature: The Need to Align Planning and Monitoring in Urban Sustainability. *Cities and the Environment (CATE)*. 16:1. <https://doi.org/10.15365/cate.2023.160102> Data available at <https://doi.org/10.7910/DVN/SZQXSO>
16. **Quinn, J.E.** **L. Blake**, **S. K. Schaffer**, **E. Hyland**, **A.R. Schindler**. 2021. Loss of Winter Wonderland: Proximity to different road types has variable effects on winter soundscapes. *Landscape Ecology*. 37:381–391. <https://doi.org/10.1007/s10980-021-01364-x>
17. **Quinn, J.E.**, **Cook, E.**, **Gauthier, N.** 2021. Patterns of vertebrate richness across global anthromes: prioritizing conservation beyond biomes and ecoregions. *Global Ecology and Conservation*. <https://doi.org/10.1016/j.gecco.2021.e01591>
18. **Ordway et al.** 2021. Leveraging the NEON Airborne Observation Platform for socio-environmental systems research. *Ecosphere*. <https://doi.org/10.1002/ecs2.3640>
19. **Elmore et al.** 2020. Correlates of bird collisions with buildings across three North American countries. *Conservation Biology*. 35(2):654-665 <https://doi:10.1111/cobi.13569>
20. **Schindler, A.** **Gerber, J.**, **Quinn, J.E.** 2020. An ecoacoustic approach to understand the effects of human sound on soundscapes and avian communication. *Biodiversity*. 21(1) <https://doi.org/10.1080/14888386.2020.1713889>
21. **Gerber, J.**, **Howard, D.**, **Quinn, J.E.** 2020. Shifts in acoustic indices during the 2017 total solar eclipse: an application of dispersed automated recording units to study ephemeral acoustic events. *Biodiversity*. 21(1) <https://doi.org/10.1080/14888386.2020.1715834>
22. **Holt, E.**, **Q. Lombard**, **N. Best**, **S. Smiley-Smith**, and **J.E. Quinn**. 2019. Active vs. passive green-space use and measures of well-being among university students.

- International Journal of Environmental Research and Public Health. 16(3), 424
<https://doi.org/10.3390/ijerph16030424>
23. Cohen, M., **Quinn, J.E.**, Marshall, D., and Sharp, T. 2019. Sustainability assessment of a community open space vision. *Sustainability Science*. 14(6): 1565-1580.
<https://doi.org/10.1007/s11625-019-00659-y>
 24. Allen, K. Quinn, C., English, C., and **Quinn J.E.** 2018. Relational values in agroecosystem governance. *Current Opinion in Environmental Sustainability*. 35:108-115
doi.org/10.1016/j.cosust.2018.10.026
 25. Brown, M. and **Quinn, J.E.** 2018. Zoning does not improve the availability of ecosystem services in urban watersheds. A case study from the Upstate of South Carolina USA. *Ecosystem Services*. Volume 34(B):254-265 doi.org/10.1016/j.ecoser.2018.04.009.
 26. **Quinn, J.E.**, A.J. Markey, D. Howard, S, Crummett, and A. Schindler. 2018. Intersections of soundscapes and conservation: Ecologies of sound in naturecultures. *MUSICultures*. 45(1) <https://journals.lib.unb.ca/index.php/MC/issue/view/2073>
 27. Hager, S.B. et al. 2017. Continent-wide analysis of how urbanization affects bird-window collision mortality in North America. *Biological Conservation*. 212(A):209–215.
 28. Gibson, D.M. and **Quinn, J.E.** 2017 Application of anthromes to frame scenario planning for landscape-scale conservation decision making. *Land*. 6(2):33. <https://doi.org/10.3390/land6020033>
 29. **Quinn, J.E.** and Wood, J. 2017. Application of a coupled human-natural system framework to identify challenges and opportunities for conservation in private lands. *Ecology and Society*. 22(1):39.
 30. **Quinn, J.E.**, T. Awada, F. Trindade, L. Fulginiti, and R. Perrin. 2017. Combining habitat loss and agricultural intensification improves our understanding of drivers of change in avian abundance in a North American cropland anthrome. *Ecology and Evolution*. 7(3):803–814.
 31. Wood, J. and **Quinn, J.E.** 2016. Local and landscape metrics identify opportunities for conserving cavity-nesting birds in a rapidly urbanizing ecoregion. *Journal of Urban Ecology*. 2(1):juw003 [doi: 10.1093/jue/juw003](https://doi.org/10.1093/jue/juw003).
 32. Ernstes, R. and **Quinn, J.E.** 2016. Variation in bird vocalizations across a gradient of traffic noise as a measure of an altered urban soundscape. *Cities and the Environment (CATE)*. 8(1):7.
 33. Andersen, C.B., Donovan, R.K., and **Quinn, J.E.** 2015. Human Appropriation of Net Primary Production (HANPP) in an agriculturally-dominated watershed, southeastern USA. *Land*. 4(2):513-540.
 34. Quinn, C., **Quinn, J.E.**, and Halfacre, A., 2015. Digging Deeper: A case study of farmer conceptualization of ecosystem services in the American South. *Environmental Management*. 56(4):802-813.
 35. Oden, A., J. Brandle, M. Burbach, M.B. Brown, and **J.E. Quinn.** 2015. Variation in avian vocalizations during the non-breeding season in response to traffic noise. *Ethology*. 121(5):472-479.
 36. Thorn, H., **Quinn, J.E.**, and Roark, A. 2015. Reproductive and developmental effects of tributyltin, bisphenol A, and 17 β -estradiol in pale anemones (*Aiptasia pallida*). *Endocrine Disruptors*. 3(1) [doi: 10.1080/23273747.2015.1030062](https://doi.org/10.1080/23273747.2015.1030062)
 37. **Quinn, J.E.**, J. Brandle, and R. Johnson. 2014. Identifying opportunities for conservation embedded in cropland anthromes. *Landscape Ecology*. 29(10):1811-1819.
 38. Martin, L.J. **J.E. Quinn,** E.C. Ellis, M.R. Shaw, M. Dorning, C.E. Kraft, L. Hallett, N.E. Heller, R.J. Hobbs, E. Law, N. Michel, M. Perring, P.D. Shirey, and R. Wiederholt. 2014.

- Conservation opportunities across the world's anthromes. *Diversity and Distributions*. 20(7):45-755.
39. **Quinn, J.E.**, A. Oden, and J. Brandle. 2013. The influence of different cover types on American Robin nest success in organic agroecosystems. *Sustainability*. 5:3502-3512.
 40. **Quinn, J.E.** 2013. Sharing a vision for biodiversity conservation and agriculture. *Renewable Agriculture and Food Systems*. 28(1):93-96.
 41. **Quinn, J.E.**, J. Brandle, and R. Johnson. 2013. A farm-scale biodiversity and ecosystem services assessment tool: The Healthy Farm Index. *International Journal of Agricultural Sustainability*. 11(2):176-192.
 42. **Quinn, J.E.**, J. Brandle, and R. Johnson. 2012. The effects of land sparing and wildlife-friendly practices on grassland bird abundance within organic farmlands. *Agriculture, Ecosystems & Environment*. 161:10-16.
 43. **Quinn, J.E.**, J. Brandle, R. Johnson, and A. Tyre. 2011. Accounting for detectability in the use and application of indicator species: A case study with birds. *Ecological Indicators*. 11:1413-1418.
 44. Quinn, C., and **Quinn, J.E.** 2009. The Great Patagonia Land Grab: A Case Study on International Biodiversity, Conservation and Environmental Politics. National Center for Case Study Teaching in Science, State University of New York at Buffalo.
 45. **Quinn, J.E.**, and K.M. Tolson. 2009. Proximate mechanisms of parasite egg rejection by the Northern Mockingbird. *The Wilson Journal of Ornithology* 12:180-183.
 46. **Quinn, J.E.** 2003. "Healthy Forest Initiative": Environmental policy at the start of the 21st century. *Drake University Undergraduate Social Science Journal*.

BOOK CHAPTERS

underline = student co-author, *peer reviewed

1. ***Quinn, J.E.** Speitz, M., Carmenates, O., Burtner, M. 2023. Ecoacoustics: Disciplinary Norms and Blurred Boundaries of Sound. In *Sounds, Ecologies, Musics*. Edited by Allen, A and Titon, J., Oxford University Press
2. **Quinn, J.E.** Ellis, E.C. 2023. Anthromes. In: C. Wulf, N. Wallenhorst. *Handbook of the Anthropocene*. Springer, Cham. https://doi.org/10.1007/978-3-031-25910-4_32
3. *Ellis, E C.; **Quinn, J.E.** 2022. Anthromes: Understanding Global and Regional Sustainability Transformations. *Pathways to Research in Sustainability* EBSCO.
4. **Quinn, J.E.** 2022. Conservation Case Studies: Lessons learned and evidence for future efforts Imperiled: *The Encyclopedia of Conservation* vol. 5. Pgs. 263-264. Elsevier <https://doi.org/10.1016/B978-0-12-821139-7.00242-7>
5. **Quinn, J.E.** 2022. Conservation Success and Opportunities for Farmland Birds in North America. *Imperiled: The Encyclopedia of Conservation* vol. 5. Pgs. 388-391. Elsevier <https://doi.org/10.1016/B978-0-12-821139-7.00237-3>
6. Andersen, C. B., **Quinn, J.E.** 2020. Human Appropriation of Net Primary Production, In: Goldstein, M.I., DellaSala, D.A. (Eds.), *Encyclopedia of the World's Biomes*, vol. 5. Elsevier, <https://doi.org/10.1016/B978-0-12-409548-9.12434-0>
7. **Quinn, J.E.**, Quinn, C.E. 2020. Coupled Human and Natural Systems: A Review and Anthrome Case Study. In: Goldstein, M.I., DellaSala, D.A. (Eds.), *Encyclopedia of the World's Biomes*, vol. 5. Elsevier, pp. 266–275. <https://doi.org/10.1016/B978-0-12-409548-9.12435-2>

8. **Quinn, J.E.** 2020, Global and Regional Cropland Anthromes, In: Goldstein, M.I., DellaSala, D.A. (Eds.), *Encyclopedia of the World's Biomes*, Elsevier, vol. 5. 88-98 <https://doi.org/10.1016/B978-0-12-409548-9.12406-6>
9. **Cook E.K., Quinn, J.E.**, 2020, Patterns of Vertebrate Richness Across Global Anthromes, In: Goldstein, M.I., DellaSala, D.A. (Eds.), *Encyclopedia of the World's Biomes*, vol. 5. Elsevier, <https://doi.org/10.1016/B978-0-12-409548-9.12424-8>.
10. Quinn, C.E., Quinn, J.E., 2020. Sustainability Science in Concept and Practice: An Introduction to Human and Social Systems. In: Goldstein, M.I., DellaSala, D.A. (Eds.), *Encyclopedia of the World's Biomes*, vol. 5. Elsevier, pp. 263–265. <https://doi.org/10.1016/B978-0-12-409548-9.12445-5>
11. Quinn, J.E., Ellis, E.C., 2020. The Anthropogenic Biosphere: Lines of Evidence for Sustained Direct Interactions Between Humans and the Environment. In: Goldstein, M.I., DellaSala, D.A. (Eds.), *Encyclopedia of the World's Biomes*, vol. 5. Elsevier, pp. 1–4.
12. *Oden, A.I., J.R. Brandle, M.E. Burbach, M.B. Brown, **J.E. Gerber**, and **J.E. Quinn**. 2020. Soundscapes and Anthromes: A Review of Proximate Effects of Traffic Noise on Avian Vocalization and Communication. In: Goldstein, M.I., DellaSala, D.A. (Eds.), *Encyclopedia of the World's Biomes*, vol. 5. Elsevier, pp. <https://doi.org/10.1016/B978-0-12-409548-9.11999-2>
13. *Quinn, C. and **Quinn, J.E.** 2016. Building resilience: modeling resilience concepts using Legos. Pages 51-56 in Byrne, L. 2016. *Learner-centered Teaching Activities for Environmental and Sustainability Studies*. Springer.
14. *Johnson, R.J., J.A. Jedlicka, **J.E. Quinn**, and J.R. Brandle 2011. Global perspectives on birds in agricultural landscapes. Pages 55-140 in: Campbell W.B., Ortiz S.L. (editors) *Issues in agroecology – present status and future prospectus*, volume 1, *Integrating Agriculture, Conservation and Ecotourism: Examples from the Field*. Springer.
15. ***Quinn, J.E.**, J.R. Brandle, and R.J. Johnson. 2009. Development of a Healthy Farm Index to assess ecological, economic, and social function on organic and sustainable farms in Nebraska's four agroecoregions. Pages 156-170 In: Franzluebbbers, A.J., ed. 2009. *Farming with Grass: Achieving Sustainable Mixed Agricultural Landscapes*. Ankeny, IA: Soil and Water Conservation Society.

EDITORIALS AND BOOK REVIEWS

1. **Quinn, J.E.** 2022. Bird versus Bulldozer A Quarter-Century Conservation Battle in a Biodiversity Hotspot. *Ornithological Applications*. <https://doi.org/10.1093/ornithapp/duac001>
2. **Quinn, J.E.**, and K.E. Allen 2021. "Governance, Values, and Conservation Processes in Multifunctional Landscapes" *Land* 10:478. <https://doi.org/10.3390/land10050478>

RESEARCH AWARDS AND RECOGNITIONS

Henry Keith and Ellen Hard Townes Professorship 2023-2026

Senior Research Award in 2021 from Association of Southeastern Biologist for *Quinn et al. 2021*. Patterns of vertebrate richness across global anthromes.

Furman Standard 2020-2022.

Senior Research Award in 2018 from Association of Southeastern Biologist for *Brown and Quinn 2018*. Zoning does not improve ecosystem services

Issue cover in 2017 for *Gibson and Quinn 2017* <http://www.mdpi.com/2073-445X/6/2>

Best Paper in 2010 from Louisiana Association of Professional Biologist's for *Quinn and*

Tolson 2009

Meritorious Graduate Student Award. 2009. UNL School of Natural Resources

FUNDED GRANTS, FELLOWSHIPS, AND CONTRACTS

- 2024-2026: **J.E. Quinn.** Leveraging machine learning to better understand biodiversity patterns measured through passive acoustic sampling. NSF MCA Pilot PUI. **\$282,131**
- 2023-2024: **J.E. Quinn, A. Predmore.** Scope 1 Biodiversity Assessment. Michelin. **\$49,000**
- 2023-2024: **J.E. Quinn.** Optimizing NASA earth observation data products for ecosystem service assessment in South Carolina. NASA SCSGC REAP **\$19,707**
- 2023-2024: **J.E. Quinn.** Coastal Soundscapes of Hobcaw Barony. Belle Baruch Foundation – Harry M. Lightsey Jr. Visiting Scholar Fellowship. **\$5000**
- 2023: Co-P.I. **J.E. Quinn, Quinn, C.E.** A mixed methods assessment of the contribution of greenspace exposure to improved mental health. SC INBRE **\$10,500**
- 2021-2026: Elmore et al. **J.E. Quinn as Senior Personal RCN:** Patterns, Places, People: A Network for Scalable Airborne Observation of Socio-Environmental Systems. National Science Foundation. **\$500,000**
- 2021-2024: Co-P.I. Quinn, C.E., K. Allen, **J.E. Quinn.** Strengthening farmer-consumer connections for sustainable agricultural systems. USDA SSARE. **\$213,954**
- 2021: **J.E. Quinn.** SC Forestry Association. An Assessment of South Carolina's forested lands to identify forest hotspots <https://storymaps.arcgis.com/stories/e475757a87bd44ba890f0b277aa8ed19> **\$12,000**
- 2021: Palladino, C., K. Allen, **J.E. Quinn.** Shifting spatial awareness in historical maps of the Southeast. Furman Humanities Center. **\$5,000**
- 2020-2024: **Quinn, J.E.** General Mills International. Species distribution models at local and regional extents to measure the contributions regenerative agriculture makes to biodiversity. **\$200,000**
- 2019-2020: **Quinn, J.E.** Smithsonian Conservation Biology Institute: Ecosystem service assessment of the Shenandoah Valley. **\$15,000**
- 2019-2020: Palladino, C., K. Allen, **Quinn, J.E.** Southern Spatial Stories mapping project: An interdisciplinary study of maps as a boundary object to understand human values and relationship to the environment. Shi Center for Sustainability. <https://arcg.is/jOiKH> **\$10,000**
- 2018-2020: **Quinn, J.E.** with many collaborators. Aligning Boundary Objects in SES Teaching and Scholarship: Leveraging the Liberal Arts Model for Local and Global Sustainability. AALAC. **\$16,000.**
- 2018-2020: Whitmer, K, D. Landis, **J.E. Quinn.** Science, Society, and the Archives. Associated Colleges of the South. **\$24,050.**
- 2018-2019: Speitz, M. O. Carmenates, **J.E. Quinn.** The Audible Anthropocene: Romantic-era Records, Acoustic Ecologies, and Live Musical Performance. Shi Center for Sustainability. **\$15,000.**
- 2018: **Quinn, J.E.** Greenville Water. Departure Analysis of North Saluda reservoir watershed. **\$6000.**

- 2017-2018: Stone, M. C.E. Quinn, **J.E. Quinn**. Upstate Stakeholder Conceptualization of Sustainability: Theoretical Views, Lived Experiences, and Policy Outcomes. Shi Center for Sustainability. **\$6000**.
- 2016-2018: Co-P.I. **J.E. Quinn** C.E. Quinn, & C.B. Andersen. Improving silvopasture systems in the South: identification of suitable forage crops and enhancement of environmental quality in upland forests. USDA SARE Research and Education Grant. **\$135,487. + 8k for undergraduates**
- 2016-2017: **Quinn, J.E.** Development of a monitoring and evaluation tool for the updated USDA Biodiversity and Natural Resource Guidance. The Organic Center. **\$17,000**.
- 2016: P.I. **Quinn, J.E.** Identification of critical lands for conservation in the Upstate. Upstate Forever. **\$20,000**.
- 2016-2017: **Quinn, J.E.** Land use and sustainability in Croatia. Furman University RPG. **\$1800**.
- 2016: **Quinn, J.E.**, C.E. Quinn, M. Cohen. Exploring diverse perspectives on sustainable farming to develop land use models for the future health of the Upstate. Shi Center and The Duke Endowment. **\$8000**.
- 2016: **Quinn, J.E.** Technology for Team Engagement and Reporting. Furman University Center for Teaching and Learning. **\$956**.
- 2016: **Quinn, J.E.** Scenario planning for sustainable growth in Upstate South Carolina Furman Advantage support for Melanie Brown and Alec Schindler. **\$6750**.
- 2015-2016: **Quinn, J.E.** Promotion and Enhancement of the Healthy Farm Index. The Organic Center. **\$13,000**.
- 2015: **Quinn, J.E.** & M. Liao, Application of a multi-disciplinary One Health approach to understanding environmental drivers of the spatial distribution of vector-borne infectious diseases, INBRE Matching Summer Fellowship. **\$15,000**.
- 2015: M. Cozad and **J.E. Quinn**. Exploring Ecological Economics in the American South. ACS Faculty Advancement Grant. **\$5,087**.
- 2015: **Quinn, J.E.** Conservation Opportunities on an Urban-Rural Gradient in Upstate South Carolina. Greenville Zoo Conservation Fund. **\$2200**.
- 2014-2015: **Quinn, J.E.** Building capacity for soundscape ecology research. Furman University. Research and Professional Growth Committee. **\$1,300**.
- 2014-2015: **Quinn, J.E.** & M. Liao, Application of bioinformatics techniques to understand environmental drivers of the spatial distribution of infectious disease. SC INBRE. **\$10,000**.
- 2014: **Quinn, J.E.** J. Wood, D. Gibson and J. Warnken. Socio-Ecological Analysis of Conservation Opportunities on an Urban-Rural Gradient in Upstate South Carolina. Greenville Zoo Conservation Fund. **\$980**.
- 2014: Resources for the ACS Sustainability Blended Learning Library: Biodiversity/Ecosystems Services (Part 4 of 5). **J.E. Quinn** funded at **\$1,700** for unit on Biodiversity and Ecosystem Services in Agroecosystems.

- 2013: Wood J. (P.I. and Furman University undergraduate student) and **J.E. Quinn**. Assessing Brown-headed Nuthatch conservation possibilities across an urban-rural gradient in the Upstate of South Carolina. Carolina Bird Club.
- 2012-2015: P.I. **J.E. Quinn**. Quantifying the environmental benefits of local farm systems in Upstate South Carolina. Furman University Shi Center Farming and Food Systems Research Initiative. The Duke Endowment. ~\$20,000 (these funds have been primarily used to support undergraduate student researchers).
- 2011-2013: P.I. **J.E. Quinn**. Building Capacity to Conserve the Bell's Vireo in Nebraska's Agroecosystems. Nebraska Bird Partnership. \$25,000.
- 2009-2012: P.I. C.A. Shapiro, Co-PIs: **J.E. Quinn**, J. Brandle, C. Francis, R. Wright, S. Knezevic, et al. Improving Organic Farming Systems and Assessing their Environmental Impacts. USDA Organic Agriculture Research and Extension Initiative. \$1.41 million. Individual project allocation \$ 244,085.
- 2009-2010: P.I. C. Francis, Co-PIs: **J.E. Quinn**, C. Quinn, J. Van Wort, K. Kohler-Cole, M. Burbach, G. Matkin Development of an Urban Food Leadership Coop in Support of a Local Food System. US EPA P3 Awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity and the Planet. \$9945.
- 2009: P.I. **J.E. Quinn**. Communicating the importance and challenges organic certification. OCIA Research & Education. \$1500.
- 2008: P.I. **J.E. Quinn**. Assessing the health of Nebraska's organic farmers by measuring farmer satisfaction. OCIA Research & Education. \$1150.
- 2007: P.I. **J.E. Quinn**. Optimizing Ecosystem Services in Healthy Organic Agroecosystems. Center for Great Plains Studies Research Grant-in-Aid. \$432.

TEACHING EXPERIENCE

@Furman University

Biology and the Environment (BIO102)
Research and Analysis (BIO222)
Ecology (BIO340)
Tropical Ecology (BIO341)
Tropical Ecology MayX (BIO342)
Conservation Biology (BIO430)
Landscape Ecology and Conservation
(BIO 431)
Field Studies in Biology (BIO432)

Agroecology (BIO435)
Biology Research and Internships
(BIO075/501/502/503/509)
Slow Food Italy (MXP223)
Environment and Society (EST301)
Birds and Society (FYW1234)
Ecological Economics (MXP270)
Spatial Problems (MXP255)

@University of Nebraska-Lincoln

Introduction to Agriculture and Natural Resources (AGRI/NRES 103)
Graduate Ecology Seminar (NRES 896)
Introduction to Conservation Biology (NRES 211)
SNR science outreach and education program

STUDY AWAY TEACHING EXPERIENCE

Costa Rica; Field Studies in Tropical Ecology; 2014, 2016, 2018
Southern Africa; Environment and Society; 2019

British Isles; Field Studies in Biology: British Landscapes; 2019
 Slow Food Italy; 2023, 2024

TEACHING & ADVISING AWARDS AND FELLOWSHIPS

Alester G. Furman Jr. and Janie Earle Furman Award for Meritorious Advising	2023
Special Collections and Archives Teaching Fellowship at Furman University	2018
FDC Faculty Fellow/ Interdisciplinary Teaching & Scholarship, Furman University	2018-2019
Faculty Development Grant to attend U. Del. Problem Based Learning Workshop	2016
Quantitative Undergraduate Biology Education and Synthesis	2015
FIRST IV Postdoctoral Scholar. NSF Grant to Michigan State University	2011-2013
Teaching Award of Merit, North American Colleges and Teachers of Agriculture	2010
Award for Teaching Excellence, UNL IANR Holling Family Award	2010

SYNERGISTIC ACTIVITIES

Avian Telemetry: Romantic Records, Acoustic Ecologies, and Experimental Musical Performance. *An interdisciplinary creation of an avant-garde musical score. The first of its kind and given a working title of the "Audible Anthropocene", the composition pairs "records" of Romantic poetry's avian lyrics (captured prior to the advent of audio recording devices and start of the Industrial Revolution) with contemporary recordings and ecological studies of changing birdsong and bird vocalizations striving to adapt in light of anthropogenic (human made) sounds, noises, and audible encroachments.* <https://www.ravellorecords.com/catalog/rr8040/notes---six-ecoacoustic-quintets---avian-telemetry---burtner.html>

Aligning Boundary Objects in SES teaching and scholarship: Leveraging the liberal arts model for local and global sustainability. I organized and hosted a workshop on teaching and scholarship in SES. Hosted at Furman University.

SESYNC/NEON Working Group: I am part of a team of natural and social scientists seeking to identify how high-resolution remote sensing data can be used to improve conservation practice

SC Forest Hotspot Map. I developed a statewide (for SC) map of forest patches that optimized ecological and economic value. This map has been used by the SC Forest Association and the SC Conservation Bank.

Critical Lands Mapping: I worked with a local non-profit Upstate Forever to map critical lands for conservation of biodiversity and ecosystem services across a 10-county region of South Carolina, USA. <https://www.upstateforever.org/news/upstate-forever-completes-critical-lands-mapping-project>

Section Editor for Imperiled: The Encyclopedia of Conservation. Edited one volumes (n=25) chapter submissions focused case studies of biodiversity conservation globally.

Section Editor for Encyclopedia of Biomes. Co-edited two volumes (n=60) chapter submissions focused on Anthromes and Principles of Sustainability Science

Research Team and Strategic Planning Committee Palmetto Green

Faculty Development Center Faculty Fellow at Furman University. 2018-2019

Special Collections and Archives Teaching Fellowship at Furman University. 2018

Center for Engaged Learning Faculty Fellow at Furman University. 2018-2019

Visiting Fellow at University of Delaware Problem Based Learning Institute. 2016

Participant FIRST IV follow-up study 2016-2019

Developer for National Organic Program Biodiversity calculator 2015-2017 in collaboration with The Organic Center and Wild Farm Alliance

Developer Ten at the Top Upstate Outdoor Activity & Recreation Areas Interactive Map <http://tenatthetop.org/upstate-outdoor-map/> 2016-2017

Invited Participant NACCB Next Generations Career focus group. 2016

Invited Participant Quantitative Undergraduate Biology Education and Synthesis. 2015

Contributor ACS Sustainability Blended Learning Library: Biodiversity/Ecosystems Services (Part 4 of 5). Developed three videos and associated teaching resources focused on Biodiversity and Ecosystem Services in Agroecosystems. Available at <http://johnquinniv.wix.com/agroecology>

Participant *The Vocations of the Professoriate: Are We Called to Engage the Public* Furman University Center for Vocational Reflection. 2013-2014

Affiliated Faculty at Shi Center for Sustainability, Furman University. 2012-present

Co-Organizer Ecological Society of America 2016 Annual Meeting. Organized Oral Session Re-Envisioning Agroecosystems for Environmental and Human Health 2016

Invited Participant at ESA's Second Emerging Issues Conference 2012 "*Developing Ecologically-Based Conservation Targets Under Global Change*"

First IV Postdoctoral Scholar 2011-2013. NSF Grant 0817224 (DUE) to Michigan State University. FIRST IV (Faculty Institutes for Reforming Science Teaching) is a program to reform undergraduate biology education through professional development of postdocs who design inquiry-based, learner-centered undergraduate biology courses. Key elements of FIRST IV include active learning, assessment, and diversity in teaching.

Producer *Why organic*. A short documentary film. Available at <http://hfi.unl.edu/jq/films.shtml>

OTHER PUBLICATIONS AND MEDIA

Quinn, J.E., C. Lippert. 2021. [South Carolina Forest Hotspot mapping](#)

Quinn, J.E. [Measuring the Outcomes of Regenerative Agriculture using Sound to Assess Agricultural Biodiversity.](#)

Quinn, J.E., 2020. [We should see waterways & forests as economic assets](#) *Spring/Summer 2020 issue of the Upstate Advocate*

Quinn, J.E., M Cozad. 2014 [Can we put a price tag on nature?](#) . Op-Ed in Greenville News, Oct 6th, 2014.

Johnson, R.J. et al. 2016. The Healthy Farm Index. University of Nebraska Lincoln IANR: ec307

Quinn, J.E., J.R. Brandle, and R.J. Johnson. 2010. Biodiversity maintenance with the Healthy Farm Index. Center for Grassland Studies Newsletter 16:1,6.

Quinn, J.E. 2009. Ecological perceptions of Nebraska organic farmers. UNL Organic Microgrant Report. OCIA R&E.

Quinn, J.E., J.R. Brandle, and R.J. Johnson. 2009. Sustaining ecosystem services on farms: The Healthy Farm Index. Center for Grassland Studies Newsletter 15:1,5.

Quinn, J.E. 2008. Bird conservation on Nebraska farmland. Nebraska Sustainable Agriculture Society Newsletter 116:4-5.

INVITED SEMINARS, PANELS, WEBINARS

- 2024: University of Rhode Island. Quantifying the Soundscape for Conservation
- 2023: Auburn University. Quantifying the Soundscape for Conservation
- 2022: Clemson University. Quantifying the Soundscape for Conservation
- 2022: [Global Quest 2021-2022](#)
- 2022: Grasslands Road Map (panel)
- 2021: Grasslands Road Map (two talks)
- 2021: EESI's Congressional Climate Camp briefing series, "Federal Policies for Climate Mitigation and Adaptation Win-Wins"!
- 2021: Carbon webinar with Clemson University
- 2019: Topic: NOP Biodiversity Compliance Tool. Hosted by the Organic Center.
- 2017: Topic: Where to Save Biodiversity: Supporting Conservation Decision Making Beyond Protected Areas. Davidson College
- 2017: Topic: The Importance of the Sciences in an Uncertain World. Panel discussion as part of the Furman Our Republic Series
- 2016: Topic: How to Implement and Verify Biodiversity Conservation Activities in Organic Agricultural Systems. eXtension Webinar. <http://articles.extension.org/pages/73891>
- 2016: Topic: The complexities of conservation and planning in managed ecosystems. Clemson University
- 2015: Topic: Environmental Benefits of Organic Agriculture: Biodiversity Webinar. USDA Science and Technology Training Library. <http://goo.gl/78KqP2>
- 2014: Topic: Conservation in Managed Ecosystems. Winthrop University
- 2014: Topic: Conservation in Managed Ecosystems. Furman University OLLI program
- 2013: Topic: Conservation Opportunities in Managed Ecosystems. UNC - Asheville

INVITED TALKS & COMMUNITY ENGAGEMENT

- 2024: Sustain SC: Spatial planning for agriculture and biodiversity
- 2023: Michelin: Taking action for biodiversity: why local matters
- 2022: Trees SC Annual Conference
- 2022: SC Conservation District Annual Conference
- 2022: SC Land Trust Network
- 2021: SC Forestry Association
- 2021: Water CLP at Furman University
- 2021/2023: OLLI – Birds and Society – 8 weeks or so, once per week
- 2020: Farmland birds in Canada
- 2018: Wildlife of the Blue Ridge for OLLI program at Furman University
- 2015/2017: Birds and Biscuits at Greenbrier Farms
- 2017: Topic: Change is the Norm. Furman University Library Faculty Research Seminar
- 2017: Topic: Adaptive Management & NOP Biodiversity Calculator. Annual EcoFarm meeting
- 2017: Topic: Uncharted Territory: Spheres of learning and engagement beyond your major
Furman University TedX
- 2016: Topic: Bird biology and conservation. Furman University CDC.
- 2016: Topic: Landscapes and soundscapes to conserve biodiversity. Greenville Science on Tap.

- 2016: Topic: On-Farm Research Round-table. Carolina Farm Stewardship Association annual meeting.
- 2016: Topic: Creating engaging workspaces to facilitate student teamwork. Furman CTL Teaching & Learning Forum.
- 2014: Topic: Biodiversity conservation and agriculture. Carolina Farm Stewardship Association annual meeting.
- 2013: Topic: Organic Farming Systems Research at the University of Nebraska. eOrganic webinar

SERVICE

UNIVERSITY

Faculty Advisor for Furman student Audubon Chapter	2021-current
Faculty Administration Liaison Committee (chair 2021-2023)	2020-2023
Faculty Chair of Environmental Studies Minor	2020-current
STARS Grounds Committee	2018-2019
Academic Computing Committee (ACC) (chair 2018-2019)	2017-2019
Community Engagement Initiative (Chair of External Collaboration review)	2016-2017
Institutional Review Board	2016-current
Hosted Conservation Lecture Series CLP (~n of 3/year)	2014-2016
Faculty Advisor Environmental Action Group (EAG)	2013-current
Research and Professional Growth (RPG) Committee	2013-2016

EXTERNAL

Manuscript reviewer for: Frontiers in Ecology and the Environment; Biological Conservation; Carbon Management; Journal of American College Health; Conservation Science and Practice; Proceedings of the Royal Society B; Sustainability; Bioacoustics; Diversity; Land; MUSICultures; Ecological Economics; Land; Forests; Agriculture, Ecosystems and Environment; Journal of Wildlife Management; Journal of Environmental Management; Wilson Journal of Ornithology; Renewable Agriculture and Food Systems; The National Center for Case Study Teaching in Science; Paddy and Water Environment; Journal of Field Ornithology; Conservation Science (textbook),	
Grant reviewer for: USDA; NSF, NCR SARE, SSARE,	
NEON Breeding Birds Thematic Working Group	
Officer Ecological Society of America Agroecology Section	2010-2016
NACCB Next Generations Career focus group	2016
Association of Southeastern Biologists	2013-current
Poster/Presentation Awards Committee	
Student Award Committee	
Senior Award Committee	

PROFESSIONAL DEVELOPMENT

Associated Colleges of the South Teaching and Learning Workshop	2017
University of Delaware Problem Based Learning Workshop	2016
Quantitative Undergraduate Biology Education and Synthesis project	2015
NSF Regional Grants Conference	2011
Teaching Documentation Program, UNL Graduate Studies	2008
Getting Started as a Successful Grantwriter and Academician, UNL	2008

Institutional Review Board (IRB) Certification

2008-Current

PROFESSIONAL SOCIETIES

Society for Conservation Biology*, Landscape Ecology*, Ecological Society of America, British Ecological Society*, Ecological Research as Education Network*, American Ornithological Union, Cooper Ornithological Society, Association for Environmental Studies and Science, Association of Field Ornithologists, Council on Undergraduate Research* (*current)