

## John E. Quinn, Ph.D.

Furman University / Department of Biology  
Email: john.quinn at furman.edu / Phone: 864.294.3756  
3300 Poinsett Highway / Greenville, SC / 29613  
Web: <http://johnquinniv.wix.com/johnquinniv>

### EDUCATION

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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

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Associate Professor of Biology, Furman University	2018-present
Assistant Professor of Biology, Furman University	2012-2018
Postdoctoral Researcher, University of Nebraska-Lincoln	2010-2012

### REFEREED PUBLICATIONS

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- Allen, K. Quinn, C., English, C., **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](https://doi.org/10.1016/j.cosust.2018.10.026)
- Brown, M, **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](https://doi.org/10.1016/j.ecoser.2018.04.009).
- Quinn, J.E.** A.J. Markey, D. Howard, S. Crummett, A. Schindler. (*In Press*). Intersections of soundscapes and conservation: Ecologies of sound in naturecultures. *MUSICultures*.
- 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.
- Gibson, D.M., **Quinn, J.E.** 2017 Application of anthromes to frame scenario planning for landscape-scale conservation decision making. *Land*. 6(2):33.
- Quinn, J.E.**, 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.
- Quinn, J.E.**, T. Awada, F. Trindade, L. Fulginiti, 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.
- Wood, J., **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).
- Ernstes, R., **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*. 8(1):7.
- Quinn, C., **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.

- Andersen, C.B., Donovan, R.K., **Quinn, J.E.** 2015. Human Appropriation of Net Primary Production (HANPP) in an agriculturally-dominated watershed, southeastern USA. *Land*. 4(2):513-540.
- Quinn, C., **Quinn, J.E.**, Halfacre, A., 2015. Digging Deeper: A case study of farmer conceptualization of ecosystem services in the American South. *Environmental Management*. 56(4):802-813.
- Oden, A., J. Brandle, M. Burbach, M.B. Brown, **J.E. Quinn**. 2015. Variation in avian vocalizations during the non-breeding season in response to traffic noise. *Ethology*. 121(5):472-479.
- Thorn, H., **Quinn, J.E.**, Roark, A. 2015. Reproductive and developmental effects of tributyltin, bisphenol A, and 17  $\beta$ -estradiol in pale anemones (*Aiptasia pallida*). *Endocrine Disruptors*. 3(1)doi: 10.1080/23273747.2015.1030062
- Quinn, J.E.**, J. Brandle, R. Johnson. 2014. Identifying opportunities for conservation embedded in cropland anthromes. *Landscape Ecology*. 29(10):1811-1819.
- 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, R. Wiederholt. 2014. Conservation opportunities across the world's anthromes. *Diversity and Distributions*. 20(7):45-755.
- Quinn, J.E.**, A. Oden, J. Brandle. 2013. The influence of different cover types on American Robin nest success in organic agroecosystems. *Sustainability*. 5:3502-3512.
- Quinn, J.E.** 2013. Sharing a vision for biodiversity conservation and agriculture. *Renewable Agriculture and Food Systems*. 28(1):93-96.
- 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.
- 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.
- 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.
- Johnson, R.J., J.A. Jedlicka, **J.E. Quinn**, 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.
- 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.
- 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.
- 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.
- Quinn, J.E.** 2003. "Healthy Forest Initiative": Environmental policy at the start of the 21st century. *Drake Undergraduate Social Science Journal*.

## IN REVIEW & REVISION

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- Holt, E., Q. Lombard, N. Best, S. Smiley-Smith, J.E. Quinn (*In Review*) Active vs. Passive Green-Space Use and Measures of Well-Being among University Students
- Cohen, M., Quinn, J.E. Marshall, D., Sharp, T. (*In Review*) Sustainability assessment of a community open space vision.
- Schindler, A. **Quinn, J.E.** (*In Review*) Using soundscape indices to understand the effects of sounds on acoustic diversity and communication.

## RECENT GRANTS AND CONTRACTS

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- 2018-2020: **Quinn, J.E. with 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.**
- 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.**
- 2016: P.I. **J.E. Quinn.** Identification of critical lands for conservation in the Upstate. Upstate Forever. **\$20,000.**
- 2016-2017: P.I J.E. Quinn. Land use and sustainability in Croatia. Furman University RPG. **\$1800.**

## TEACHING EXPERIENCE

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Furman University

**Biology and the Environment** (BIO102)  
**Research and Analysis** (BIO222)  
**Ecology** (BIO340)  
**Tropical Ecology** (BIO341)  
**Tropical Ecology MayX** (BIO342)  
**Agroecology** (BIO435)  
**Field Studies in Biology** (BIO4##)

**Biology Research and Internships**  
(BI0075/501/502/503/509)  
**Environment and Society** (EST301)  
**Birds and Society** (FYW1234)  
**Ecological Economics** (MXP270)  
**Spatial Problems** (MXP200)

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**

## **SYNERGISTIC ACTIVITIES**

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**Audible Anthropocene:** Romantic Records, Acoustic Ecologies, and Experimental Musical Performance

**Palmetto Green Research Team** - <https://www.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

**Shi Center Faculty Fellow** at Furman University. 2016-2019

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

**Invited Participant** NACCB Next Generations Career focus group. 2016

**Invited Participant** Quantitative Undergraduate Biology Education and Synthesis. 2015

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

**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.

## **PROFESSIONAL SOCIETIES**

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Ecological Society of America\*, Society for Conservation Biology\*, 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)