

JIANGXIAO QIU

University of Florida
School of Forest Resources and Conservation
Fort Lauderdale Research and Education Center
3205 College Ave, Davie, FL 33314

Phone: (954) 577-6337
Fax: (954) 475-4125
Email: qiuj@ufl.com
<http://jiangxiaoqiu.weebly.com/>

EDUCATION

- 2011 - 2016 **Ph.D., Zoology (Quantitative Ecology)**, University of Wisconsin-Madison
Dissertation: Sustaining ecosystem services in an urbanizing agricultural landscape: the role of landscape pattern, human intervention, and biological invasions.
Advisor: Monica G. Turner
PhD Committee: Stephen Carpenter, Volker Radeloff, Christopher Kucharik, Randy Jackson
- 2007 - 2011 **M.S., Ecology**, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing, China.
Thesis: Urban landscape pattern, morphology and aboveground forest biomass in Beijing metropolitan areas, China.
Advisors: Xiaoke Wang & Zhiyun Ouyang
- 2003 - 2007 **B.S., Geography**, College of Urban and Environmental Sciences, Northwest University, Xi'an, China

RESEARCH INTERESTS

Landscape ecology • Ecosystem service • Ecosystem ecology • Global change • Climate and land-use change • Sustainability science • Watershed hydrology • Land-water interactions • Hydrologic service • Scenarios • Conservation biology • Biological invasion • Agroecosystem • Social-ecological systems • Spatial ecology • Remote sensing • Ecosystem modeling • GIS

ACADEMIC APPOINTMENTS

- 2017 - Assistant Professor, University of Florida, School of Forest Resources and Conservation
- 2017 - Affiliate faculty, Water Institute, University of Florida
- 2017 - Affiliate faculty, Florida Climate Institute
- 2017 - Affiliate faculty, Biodiversity Institute, University of Florida
- 2016 - 2017 Postdoc Research Fellow, Office of Chief Scientist, The Nature Conservancy
- 2014 - 2016 The National Socio-Environmental Synthesis Center, SESYNC Graduate Student Fellow, Annapolis MD
- 2013 - 2015 Graduate Research Assistant (3 yrs), University of Wisconsin-Madison

- Funding: NSF Water Sustainability and Climate (WSC) Program; North Temperate Lakes (NTL) Long-Term Ecological Research (LTER) Network
- 2011 - 2013 Graduate Teaching Assistant (2 yrs), University of Wisconsin-Madison
Course taught: Animal Biology
- 2007 - 2011 Graduate Research Assistant (4 yrs), Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing, China
Funding: National Natural Foundation of China

PEER REVIEWED PUBLICATIONS (21 published/in press, 4 in revision/review, 6 in preparation, and 2 book/book chapters, [Google Scholar Citation Profile](#))

Published or In Press

1. **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: 59-75.
2. **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: 73-88
3. Zipper, S.*, **Qiu, J.***, Kucharik, C.J. 2016. Drought effects on US maize and soybean production: spatial-temporal patterns and historical changes. *share first authorship. *Environmental Research Letters* 11: 094021.
4. Usinowicz, J., **Qiu, J.**, Kamarainen, A. 2016. Flashiness and flooding of two lakes in the Midwest during a century of urbanization and climate change. *Ecosystems*. doi: 10.1007/s10021-016-0042-7
5. 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: 80-97.
6. Rose, K.C., Graves, R.A., Hansen, W.H., Harvey, B.J., **Qiu, J.**, Wood, S., Ziter, C., Turner, M.G. 2016. Historical foundations and future directions in macroecosystems ecology. *Ecology Letters* 20: 147-157.
7. Wang, H., Qureshi, S., Qureshi, B., **Qiu, J.**, Friedman, C.R., Breuste, J., Wang, X. 2016. A multivariate analysis integrating ecological, socioeconomic and physical indicators to investigate urban forest cover and plant diversity in Beijing, China. *Ecological Indicators* 60: 921-929.
8. **Qiu, J.** 2015. A global synthesis of the effects of biological invasions on greenhouse gas emissions. *Global Ecology and Biogeography* 24 (11): 1351-1362.
9. **Qiu, J.**, Turner, M.G. 2015. Importance of landscape heterogeneity in sustaining hydrologic ecosystem services in an agricultural watershed. *Ecosphere* 6 (11): 1-19.

10. 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](#))
12. 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.
13. 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.
14. **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.
15. 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.
16. 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.
17. 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.
18. 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.
19. **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.
20. 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.

21. 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 Revision

22. **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. (in review). Scenarios reveal pathways to sustain future ecosystem services in an agricultural landscape. *Ecological Applications*.
23. Begg, C., Kung, A., **Qiu, J.**, Zipper, S., Kumar, R. (In revision). Developing hydro-sociology as a tool for socio-environmental synthesis: application to repeated ‘surprise’ floods in Saxony, Germany. *Water Resources Research*.
24. Zipper, S.C, Smith, K.H., Breyer, B., **Qiu, J.**, Hermann, D., Kung, A. (In review). Urban and agricultural drought response of a coupled socio-environmental system: resilience and implications for governance. *Ecology and Society*.
25. Wang, H., Cai, G., Qureshi, S., **Qiu, J.**, Friedman, C.R., Zhu, Z. (In revision). Systematic environmental impact assessment for non-natural reserve areas: a case study of Chaishitan water conservation in Yunnan, China. *Ecological indicators*.

In Preparation (only manuscripts with completed full drafts are listed)

26. **Qiu, J.**, Carpenter, S.R., Booth, E.G., Metow, M., Zipper, S.C., Kucharik, C.J., Loheide, S.P., Turner, M.G. (In prep). Understanding relationships among ecosystem services across scales. Target journal: *Ecological Letters*.
27. **Qiu, J.**, Queiroz, C., Bennett, E.M., Lavorel, S., Maes, J., Norstrom, A., Peterson, G., Turner, M.G. (In prep). Synthesis of tradeoffs and synergies among multiple ecosystem services: patterns and drivers. Target journal: *Journal of Applied Ecology*.
28. **Qiu, J.**, Game, E., Tallis, H., Olander, L. (In prep). Evidence-based causal chains for linking health, development and conservation actions. Target journal: *Ecology Letters*.
29. **Qiu, J.***, Zipper, S.C.*, Motew, M., Booth, E.G., Loheide, S.P., Kucharik, C.J. Importance of groundwater on sustaining multiple ecosystem services under different climate scenarios. *JQ and SCZ share first authorship. Target journal: *Ecological Applications*
30. Mase, A.S., Wardropper, C.B., Booth, E.G., **Qiu, J.**, Rissman, A.R. (In prep). Household survey reveals variation in ecosystem service perceptions and preferred tradeoffs between agriculture and water quality. Target journal: *Ecosystem Services*.
31. Turner, M.G., Graves, R.A., Bennett, E.M., Chaplin-Kramer, R., Jentsch, A., Mitchell, M.M.G., **Qiu, J.**, Ricketts, T., Ziter, C. (In prep). Sustaining multiple ecosystem services and biodiversity: Lessons from landscape ecology. Target journal: *Landscape Ecology*.

Book

32. 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.
33. Maes, J., Egoh, B., **Qiu, J.**, Heiskanen, A., Crossman, N., Neale, A. Mapping ES in national and supra-national policy making. In *Mapping Ecosystem Services*, (eds) Burkhard, B., and Maes, J. (in press)

TECHNICAL REPORTS

1. 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.
2. 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.
3. 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.
4. 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.

GRANTS, FELLOWSHIPS AND AWARDS

2016 - 2018	Beijer Young Scholar (invited), The Beijer Institute of Ecological Economics, The Royal Swedish Academy of Sciences
2016	SESYNC Graduate Research Fellow (\$2,000)
2016	NEON Work with Data Institute Scholarship (\$900)
2014 - 2016	The National Socio-Environmental Synthesis Center (SESYNC) Graduate Student Pursuit Fellowship, "Learning for and Adaptation to Surprises: Resilience to Water-related Hazards in Germany and USA" (Co-PI)
2015	NASA-MSU Professional Enhancement Award (\$700)
2015	National Science Foundation Data Science Workshop Travel Award (\$1,000)
2012 - 2016	John Jefferson Davis Travel Award, Department of Zoology, University of Wisconsin-Madison (9 awards totaling \$5,400)
2014	Vilas Conference Presentation Award, University of Wisconsin-Madison (\$600)
2014	Graduate Student Community Building Award, Wisconsin Ecology (\$800)

- 2013 Phi Kappa Phi National Honor Society
- 2012 Graduate Student Research Fellowship, Department of Zoology, University of Wisconsin-Madison (\$600)
- 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, “Importance of Urban Landscape Pattern for Biodiversity Conservation in Beijing Urban Ecosystem” (\$3,500 – graduate Co-PI)
- 2007 Graduation with Honor, Northwest University
- 2003 - 2007 Distinguished Achievement Award for Academic Excellence, Northwest University (4 awards totaling \$3,000)

INVITED WORKSHOPS

- 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.
- 2016 “Causal Chain Principles to Take Ecosystem Services from Popular Concept to Widespread Impact”, Center for Global Conservation, New York, NY.
- 2016 “Evidence Chain Workshop”, The Nature Conservancy, 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.
- 2015 Computational Summer Institute, The National Socio-Environmental Synthesis Center, Annapolis, MD.
- 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.

PROFESSIONAL PRESENTATIONS (first author only)

- 2017 **Qiu, J.**, Wardropper, C.B., Amber Mase, Eric Booth, Rissman, A.R. Bridging landscape ecology and social sciences: insights into sustaining ecosystem services in an agriculture-dominated watershed. *US—International Association of Landscape Ecology*, Baltimore, MD (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*, Portland, OR (Oral 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*, Fort Lauderdale, FL (Oral presentation).
- 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*, Jacksonville, FL (Invited oral presentation).
- 2015 **Qiu, J.**, Turner, M.G. Consequences of exotic Asian earthworm (*Amyntas agrestis*) invasion for Midwestern forest and prairie soils. *Ecological Society of America*, Baltimore, MD (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 (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 (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 (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*, Sacramento, CA (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 (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*, Minneapolis, MN (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 (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*, Portland, OR (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*, Pittsburgh, PA (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).

GUEST LECTURES, INVITED PRESENTATIONS & OUTREACH ACTIVITIES

- 2016 Seminar speaker, The Nature Conservancy, “Sustaining ecosystem services and human well-being in the Anthropocene”, Madison, WI.
- 2016 Invited speaker, 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.
- 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 Guest lecturer, University of Wisconsin-Madison, Geography 377: An Introduction to Geographic Information Systems: *The application of Geographic Information System to map and assess ecosystem services*.
- 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.”

SELECTED MEDIA COVERAGE

- 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 “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 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](#))

UNDERGRADUATE MENTORING & RESEARCH TRAINING

Introductory Biology Mentored Research Program (full semester, 2 credits), University of Wisconsin-Madison; *student present research publicly at a campus-wide research symposium

2015 Brittany Moreno* (University of Wisconsin-Madison)

2014 Joseph Bevington* (University of Wisconsin-Madison)

2013 Sherman Yu* (University of Wisconsin-Madison)

Independent Undergraduate Research Program

2010 Jia Xie (Beijing Forestry University)

ADDITIONAL RELEVANT PROFESSIONAL TRAINING

2014 Structural Equation Modeling workshop, led by Dr. James Grace (U.S. Geological Survey), Madison, WI.

2014 Delta Program in Teaching and Learning, University of Wisconsin-Madison, Teaching Philosophy and Teaching Portfolio workshop, 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.

PROFESSIONAL SERVICE

Manuscript reviewer for: *Proceedings of the National Academy of Sciences, Landscape Ecology, Frontiers in Ecology and the Environment, Ecology, Oecologia, Biodiversity and Conservation, Remote Sensing, Urban Forestry & Urban Greening, Acta Ecologica Sinica, Remote Sensing Technology and Application, Ecosystem Services, Pacific Science, Forests, Environmental Science and Pollution Research, Urban Ecosystems, Sustainability, Ecosystem Health and Sustainability*

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

Conference session co-organizer, European Ecosystem Services Conference, Belgium

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 (CIRTL), University of Wisconsin-Madison

PROFESSIONAL MEMBERSHIPS

Member, Ecological Society of America (ESA)

Member, American Geophysical Union (AGU)

Member, American Society of Agronomy, Crop Science Society of America, Soil Science Society of America

Member, The Ecosystem Service Partnership (ESP) – Mapping ES Thematic Working Group

Member, The Long-Term Ecological Research Network (LTER)

Member, U.S. International Association for Landscape Ecology (US-IALE)

Member, Society for Conservation Biology (SCB)

REFERENCES

PhD Advisor

Monica G. Turner
Eugene P. Odum Professor of Ecology and Vilas Research Professor
Department of Zoology
University of Wisconsin – Madison
430 Lincoln Dr., Madison, WI 53706
(608) 262-2592
turnermg@wisc.edu

PhD Committee Member and Research Collaborator

Stephen R. Carpenter
Director of the Center for Limnology
Stephen Alfred Forbes Professor of Zoology
Department of Zoology
University of Wisconsin – Madison
680 North Park Street, Madison, WI 53706
(608) 262-3014
steve.carpenter@wisc.edu

PhD Committee Member and Research Collaborator

Christopher J. Kucharik
Associate Professor
Department of Agronomy
Nelson Institute Center for Sustainability and the Global Environment (SAGE)
1575 Linden Dr., Madison, WI 53706
(608) 890-3021
kucharik@wisc.edu

PhD Committee Member

Volker C. Radeloff
Professor
Department of Forest and Wildlife Ecology
University of Wisconsin-Madison
1630 Linden Dr., Madison, WI 53706
(608) 263-4349
radeloff@wisc.edu