

*Curriculum vitae of*

# Joseph Ross Milanovich

Associate Professor  
Loyola University Chicago  
Department of Biology  
1032 West Sheridan Road  
Chicago, IL 60660  
Tel: 773.508.3635  
E-mail: [jmilanovich@luc.edu](mailto:jmilanovich@luc.edu)  
Web: [milanovichlab@weebly.com](http://milanovichlab@weebly.com)  
Twitter: @amplexus\_lab

## EDUCATION

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- 2006 - 2010    Ph.D. Wildlife Ecology and Management Program, Daniel B. Warnell School of Forestry and Natural Resources, University of Georgia, Athens, GA  
Adviser: Dr. John C. Maerz
- 2010            Interdisciplinary Certificate in University Teaching, University of Georgia
- 2004 - 2006    M.S. Biology. Department of Biological Sciences, Arkansas State University, State University, AR.  
Adviser: Dr. Stanley E. Trauth
- 1998 - 2002    B.A. Biology and Environmental Science, Adrian College, Adrian, MI

## PROFESSIONAL AND ACADEMIC APPOINTMENTS

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- 2019 - present    **Associate Professor.** Department of Biology, Loyola University Chicago, Chicago, IL
- 2015 – present    **Collection Center Associate,** The Field Museum, Chicago, IL
- 2013 - 2018      **Assistant Professor.** Department of Biology, Loyola University Chicago, Chicago, IL
- 2010 - 2013      **National Research Council Postdoctoral Associate,** National Risk Management Research Laboratory, Sustainable Environments Branch, United States Environmental Protection Agency, Cincinnati, OH  
Adviser: Dr. Matt Hopton
- 2012              **Adjunct Assistant Professor,** Department of Biology, Northern Kentucky University, Highland Heights, KY
- 2011 - 2013      **Adjunct Assistant Professor,** Department of Biology, University of Cincinnati Blue Ash College, Blue Ash, OH

## **INSTRUCTIONAL ACTIVITY**

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### Loyola University Chicago

Ecology; BIOL 265.

Conservation Biology; BIOL 328.

Natural History of Vertebrates, BIOL 395

Writing a Scientific Manuscript; BIOL 365.

Introduction to Research; BIOL 296.

Undergraduate Research; BIOL 396.

Individual Study; BIOL 399.

Biology Teaching Practicum (Field Studies); BIOL 511.

### Other universities

#### Northern Kentucky University

Understanding the Living World; BIOL 120.

#### University of Cincinnati Blue Ash College

Environmental Science I, II, and III; ENVS 111

Environmental Studies I; ENVS 113

## **MENTORSHIP**

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2016. Recipient of the Mary Therese Langerbeck Award for Undergraduate Research Mentoring. Loyola University Chicago.

### *Postdoctoral researchers*

Leigh Anne Harden, Ph.D. 2014-2015. *Utilizing hematology to examine the physiological health of Ornate Box Turtles (*Terrapene ornata*) and Blanding's Turtles (*Emydoidea blandingii*) in northern Illinois.* Currently an Assistant Professor at Benedictine University.

### *Graduate students*

Jessica Lindberg. Current. MS Student. Thesis research: *Examining the health and heavy metal accumulation in Spotted Turtles (*Clemmys guttata*).*

Mike Vosburgh. Current. MS Student. Thesis title: *Influence of pesticide and nutrient additions to aquatic ecosystems: An approach using mesocosms and terrestrial enclosures.*

Armand Cann. 2016-2020. MS Student. Thesis title: *Behavioral and physiological ecology of augmented juvenile Blanding's Turtles.* Currently an Endangered Species Biologist at USFWS.

Matt Bonfitto. 2016-2019. MS Student (co-advised with Dr. Sushma Reddy). Thesis title: *Investigating bill shape evolution in the Malagasy Vangas using 3D morphometrics.*

Brock Struecker. 2014-2016. MS Student. Thesis title: *Predicting the consequences of climate change on pond breeding salamander ecology in the Midwest*. Currently an Ecologist at Cardno Environmental.

#### *Undergraduate students*

Trang Nguyen. 2022-present. Project title: *Nocturnal pollinators on golf courses with varying best management practices*. Funded by NSF Summer pre-RET program.

Haydn Notario. 2022-present. Project title: *The impacts of heavy metal accumulation on stress of spotted turtles*. Funded by College of Arts and Sciences Summer Fellowship.

Ashriya Patel. 2020-present. Project title: *Calculating the diversity and abundance of aquatic invertebrates in golf course ponds with and without coarse woody debris additions*. Funded by Biology Summers and Mulcahy Fellowships.

Ella Janson. 2020-present. Project title: *Quantifying the effectiveness of pollinator gardens on the diversity of abundance of nocturnal pollinators on golf courses*. Funded by the United States Golf Association, Biology Summers Fellowship, and Mulcahy Fellowship.

Andrew Lam. 2019-present. Project title. *Examining the impact of Roundup on the morphology of metamorphic American toads*.

Courtney Malinowski. 2018-2021. Project title. *Examining the impact of nutrient and pesticide additions on the morphology of metamorphic American toads*. Funded by the Achieving College Excellence Program and the Loyola University Mulcahy Fellowship.

Divya Upadhyay. 2019-2021. Project title. *Examining the impact of Roundup on the morphology of metamorphic American toads*.

Suha Moten. 2018-2021. Project title: *Morphometrics of anurans raised under different pesticide and nutrient treatments*. Funded by the Achieving College Excellence Program.

Nicholas Hanna. 2019-2020. Project title: *Examining the impact of Roundup on the morphology of metamorphic American toads*.

Maria Magallon-Trejo. 2018-2020. Project title: *Morphometrics of anurans raised under different pesticide and nutrient treatments*. Funded by the Achieving College Excellence Program.

Courtney Carmack. 2017-2020. Project title: *Macro-and microinvertebrate diversity on golf course ecosystems*. Funded by Loyola University Mulcahy Fellowships and USGA.

Isabella Lentini. 2017-2019. Project title: *Survey of biodiversity on golf course ecosystems*. Funded by Loyola University Biology Summers and Mulcahy Fellowships, and USGA.

Sarah Crites. 2015-2018. Project title: *Ecological role of Red-backed Salamanders in forest ecosystems*. Funded by National Great Rivers Research and Education Center and the Loyola University Mulcahy Fellowship, and USGA.

Andrés Muñoz. 2016-2018. Project title: *Ecology of Blanding's Turtles in Northern Illinois*. Funded by Loyola University Provost Summer and Mulcahy Fellowships, and USGA. Currently a Ph.D. student at University of Denver.

Daniella Derose. 2015-2017. Project title: *Effects of litter quality on post-metamorphic anurans*. Funded by Loyola University Provost Summer and Mulcahy Fellowships. Currently a Bioinformatics student at Northwestern University.

Bonita McKinley. 2014-2016. Project title: *Reproductive mode and phylogeny predict peritoneal pigmentation in North American snakes*. (Co-authored by Alan Resetar, The Field Museum). Funded by Loyola University Provost Summer and Mulcahy Fellowships. Currently a Data Assistant at University of Denver Hospital.

Nojan Rastegar. 2014-2016. *Examining the consequence of hydrology and plant invasion on the morphology of larval amphibians*. Funded by Loyola University Chicago Biology Summers Fellowship. Currently in a Public Health professional in St. Louis.

Jennifer Fernandez. 2014-2016. *Physiological health assessment of endangered Blanding's Turtles in captive-rearing programs across Northern Illinois*. Funded by Loyola University Chicago Provost Summer and Mulcahy Fellowships.

Milica Radanovic. 2013-2016. Project title: *An ecological trap? When provided a choice tadpoles choose nutrition despite toxicity*. Funded by Loyola University Chicago Biology Research Fellowship. Currently in a Ph.D. program at Washington State University.

Emily Gerber. 2014-2015. Project title: *Investigating the Synergistic Effects of Plant Invasion and Climate Change on Anurans*. Funded by National Great Rivers Research and Education Center Summer Internship Program. Currently at Southern Illinois University School of Dental Medicine.

Stanislaw Warcholek. 2013-2015. Project title: *Quantifying the Hibernacula of Ornate Box Turtles (*Terrapene ornata*) in North-central Illinois*. Funded by Loyola University Chicago Provost Summer and Mulcahy Fellowships. Currently at Kansas State University College of Veterinary Medicine.

## **PUBLICATIONS**

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*Peer-reviewed Journals (\* indicates graduate student author' +undergraduate student author)*

+Carmack, C., \*M. Vosburgh, **J.R. Milanovich**. In review. The Impacts of Glyphosate and Common Co-formulations of Surfactant and Dye on American toad Fitness.

- \*Struecker, B.P., A. Muñoz, S. Warcholek, L.A. Harden, **J.R. Milanovich** In review. Home ranges of ornate box turtles in remnant and restored prairies in North-central Illinois.
- \*Cann, A., +T. Benjamin, +A. Muñoz, D. Thompson, L. A. Harden, and **J. R. Milanovich**. Accepted. Spatial and thermal ecology of juvenile captive-reared, recently-released Blanding's Turtles (*Emydoidea blandingii*).
32. \*Boyle, K. A. J. M. La Montagne, I. D. Phillips, **J. R. Milanovich**, and J. S. Bystrainsky. Accepted. Physiological adaptations of grey tiger salamander (*Ambystoma tigrinum*) larvae inhabiting saline wetlands. *Herpetological Conservation and Biology*.
31. \*Cann, A. A., +R. R. Weber, L. A. Harden, D. Thompson, +J. Nadolski, +J. Mattes, +A. Karwowska, +S. Shahjahan, and **J. R. Milanovich**. 2021. Hematological health assessment of augmented Blanding's turtle (*Emydoidea blandingii*) populations. *Physiological and Biochemical Zoology* DOI: 10.1086/716832.
30. Struecker, B. P., **J.R. Milanovich**, M. McIntosh, M. B. Berg, and M. E. Hopton. 2021. Selective predation by pond-breeding salamanders in ephemeral wetlands of Ohio and Illinois. *Journal of Herpetology* 55: 55: 222-228.
29. Hiler, W. S.E. Trauth, B. Wheeler, A. Jimenez, M. Radanovic, J.R. Milanovich and A. D. Christian. 2021. Stable isotope analysis of Ozark Hellbender (*Cryptobranchus alleganiensis bishopi*) living and preserved museum tissue reveals a shift in their generalist diet composition. *Ecologies* 2:187-202.
28. Hocking, D. J., J. A. Crawford, W. E. Peterman, and **J. R. Milanovich**. 2020. Abundance of montane salamanders over an elevational gradient. *Ecology and Evolution*. DOI: 10.1002/ece3.7142.
27. \*Piacente, J. N., **J. R. Milanovich**, M. B. Berg, T. J. Hoellein, +A. G. Muñoz, \*A. A. Cann, and +I. S. Lentini. 2020. Characterizing lentic habitats in golf courses and adjacent Green spaces: water quality, water chemistry, pesticide concentrations and algal composition. *Journal of Freshwater Ecology*. <https://doi.org/10.1080/02705060.2020.1853622>.
26. \*Gade, M. R., G. M. Connette, J. A. Crawford, D. J. Hocking, J. C. Maerz, **J. R. Milanovich**, and W. E. Peterman. 2020. Predicted alteration of terrestrial salamander surface activity as a consequence of climate change. *Ecology* 101: e03154.
25. Camp, C., B. Tyler, T. Pierson, **J. R. Milanovich**, and J.C. Maerz. 2018. Life history and habitat of a rare salamander (*Urspeleperpes brucei*). *Herpetological Conservation and Biology* 13:609-616.
24. Harden, L.A., J. Fernandez+, **J.R. Milanovich**, B.P. Struecker\*, S.R. Midway. 2018. Blood biochemical reference intervals for wild ornate box turtles (*Terrapene ornata*) during the active season. *Journal of Wildlife Diseases* 54: 587-591.

23. \*Struecker, B.P. and **J.R. Milanovich**. 2017. Predicted suitable habitat declines for Midwestern United States amphibians under future climate and land-use change scenarios. *Herpetological Conservation and Biology* 12:635-654.
22. **Milanovich, J.R.**, B.P. Struecker\*, S.A. Warcholek+, and L.A. Harden. 2017. Thermal environment and microhabitat of ornate box turtle hibernacula. *Wildlife Biology* doi: 10.2981/wlb.00295
21. Barrett, K., J.A. Crawford, Z. Reinstein+, and **J.R. Milanovich**. 2017. Detritus quality produces species-specific tadpole growth and survivorship responses in experimental wetlands. *Journal of Herpetology* 51:227-231.
20. +Radanovic, M., **J.R. Milanovich**, K. Barrett, and J.A. Crawford. 2017. Stable isotopes reveal an invasive plant contributes more than native sources to anuran larvae diets. *Journal of Freshwater Ecology* DOI: 10.1080/02705060.2017.1295885.
19. **Milanovich, J.R.**, J.A. Crawford, and K. Barrett. 2016. Detritus quality and locality determines survival and mass, but not export, of wood frogs at metamorphosis. *PLoS ONE* 11:e0166296.
18. **Milanovich, J.R.** and W.E. Peterman. 2016. Revisiting Burton and Likens (1975): Nutrient standing stock and biomass of a terrestrial salamander in the Midwestern United States. *Copeia* 104:165-171.
17. **Milanovich, J.R.**, and M.E. Hopton. 2016. Stoichiometry of excreta and excretion rates of a stream-dwelling plethodontid salamander. *Copeia* 104:26-34.
16. **Milanovich, J.R.**, D.J. Hocking, W.E. Peterman, and J.A. Crawford. 2015. Effective use of trails for assessing terrestrial salamander abundance and detection: a case study at Great Smoky Mountains National Park. *Natural Areas Journal* 35:590-598.
15. **Milanovich, J.R.**, J.C. Maerz, and A.D. Rosemond. 2015. Stoichiometry and estimate of nutrient standing stock of larval salamanders within Appalachian headwater streams. *Freshwater Biology* doi:10.1111/fwb.12572.
14. **Milanovich, J.R.**, and M.E. Hopton. 2014. Stoichiometry of a semi-aquatic plethodontid salamander – intraspecific variation due to location, size, and diet. *Integrative Zoology* 9:613-622.
13. **Milanovich, J.R.**, A. Berland., and M.E. Hopton. 2014. Influence of catchment land cover on stoichiometry and stable isotope compositions of basal resources and macroinvertebrate consumers in headwater streams. *Journal of Freshwater Ecology* 29:565-578.
12. **Milanovich, J.R.**, and J.C. Maerz. 2013. Realistic fasting does not affect stable isotope levels of a metabolically efficient salamander. *Journal of Herpetology* 47: 544-548.

11. **Milanovich, J.R.**, W.E. Peterman, K. Barrett, and M.E. Hopton. 2012. Do species distribution models predict species richness in urban and natural green space? A case study using amphibians. *Landscape and Urban Planning* 107:409-418.
10. **Milanovich, J.R.**, and J.C. Maerz. 2012. Assessing the use of non-lethal tail clips for measuring stable isotopes of plethodontid salamanders. *Herpetological Conservation and Biology* 7:67-74.
9. **Milanovich, J.R.**, S.E. Trauth, and D. Saugey. 2011. Reproduction and age composition of a population of woodland salamanders (*Plethodon albagula*) after a prescribed burn in southwestern Arkansas. *Southwestern Naturalist* 56:172-179.
8. <sup>†</sup>Burke, J., J.C. Maerz, **J.R. Milanovich**, M.C. Fisk, and K.J.K. Gandhi. 2011. Invasion by exotic earthworms alters litter- and soil-dwelling microarthropod (Acari: Oribatida) communities in a northern hardwood forest. *Diversity* 3:155-175.
7. **Milanovich, J.R.**, W.E. Peterman, N. Nibbelink, J.C. Maerz. 2010. Projected loss of a salamander diversity hotspot as a consequence to global climate change. *PLoS ONE* 5: e12189. doi:10.1371/journal.pone.0012189
6. Davis, A.K., and **J.R. Milanovich**. 2010. Lead-phase and red-stripe color morphs of red-backed salamanders (*Plethodon cinereus*) differ in hematological stress indices: A consequence of differential predation pressure? *Current Zoology* 56:238-243.
5. Davis, A.K., J.L. DeVore, **J.R. Milanovich**, K. Cecala, J.C. Maerz, and M.J. Yabsley. 2009. New findings from an old pathogen: intraerythrocytic bacteria (Family Anaplasmatacea) in red-backed salamanders *Plethodon cinereus*. *Ecohealth* 6:219-228.
4. Camp, C.D., W.E. Peterman, **J.R. Milanovich**, T. Lamb, J.C. Maerz and D.B. Wake. 2009. A new genus and species of lungless salamander (family Plethodontidae) from the Appalachian highlands of the southeastern United States. *Journal of Zoology* 279:86-94.
3. Davis, A.K., **J.R. Milanovich**, J. DeVore, J.C. Maerz. 2009. An investigation of factors influencing erythrocyte morphology of red-backed salamanders (*Plethodon cinereus*). *Animal Biology* 59: 201-209.
2. **Milanovich, J.R.**, S.E. Trauth., and T. McKay. 2008. Diet of the western slimy salamander (*Plethodon albagula*) from two mountain ranges in Arkansas. *Southeastern Naturalist* 7:323-330.
1. **Milanovich, J.R.**, S.E. Trauth., D.A. Saugey, and \*R.A. Jordan. 2006. Fecundity, reproductive ecology, and influence of precipitation on clutch size in the western slimy salamander (*Plethodon albagula*). *Herpetologica* 62: 292-301.

*Shorter contributions*

- Vanni, M. et al. (46<sup>th</sup>/75<sup>th</sup> author). 2017. A global database of nitrogen and phosphorus excretion rates of aquatic animals. *Ecology* 98:1475.

Camp, C.D., T. Lamb, and **J.R. Milanovich**. 2012. *Urspeleperpes brucei*. Catalogue of American Amphibians and Reptiles 885.1 - 885.3.

**Milanovich, J.R.**, S.E. Trauth, and D.A. Saugey. 2007. *Plethodon albagula* (Western Slimy Salamander). Brooding defense behavior and oophagy. Herpetological Review 38: 67.

**Milanovich, J.R.**, S.E. Trauth., and \*M.N. Mary. 2005. *Diadophis punctatus sticktogenys* (Mississippi Ringneck Snake). Diet. Herpetological Review 36: 323-324

**Milanovich, J.R.** and S.E. Trauth. 2005. *Plethodon albagula* (Western Slimy Salamander). Vocalization. Herpetological Review 36:295-296.

**Milanovich, J.R.**, et al. (15 authors). 2005. *Sonora semiannulata* (Ground Snake). Geographic distribution and range extension. Herpetological Review 36: 340.

## **AUTHORED GRANTS RECEIVED**

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2022-2023. \$30,000. *Examining the Habitat Use, Home Range, Hibernacula, Nesting, and Thermal Ecology of Spotted Turtles (Clemmys guttata) in and Adjacent to Northern Indiana Public Service Company Property in Northwestern Indiana* – Northern Indiana Public Service Company.

2021-2022. \$78,721. **Milanovich, J. R.**, L. A. Harden, and B. P. Struecker. *Survey for copperbelly water snakes (Nerodia erythrogaster neglecta) in northern Indiana* – Indiana Department of Natural Resources

2020-2022. \$60,000. **Milanovich, J. R.**, M. B Berg, L. Leher, and S. Magle. *Golf Course Biodiversity Project: Facilitating Abundance and Biodiversity of At-risk Taxa on Golf Course Ecosystems* – United States Golf Association Turfgrass and Environmental Research Committee

2019-2022. \$78,125. Peterman, W.E., J.A. Crawford, D.J. Hocking, and **J.R. Milanovich**. *Effects of Wildfire on Salamander Populations in Great Smoky Mountains National Park*. FY 2019 Servicewide Comprehensive Call (SCC) Natural Resources Guidance - Great Smoky Mountains National Park

2019. \$2,000. Crawford, J.A., D.J. Hocking, W.E. Peterman, **J.R. Milanovich**. *Effects of Wildfire on Salamander Populations in Great Smoky Mountains National Park*. – Appalachian Highlands Science Learning Center Grant – Great Smoky Mountains National Park

2018. \$2,000. Crawford, J.A., D.J. Hocking, W.E. Peterman, **J.R. Milanovich**. *Effects of Wildfire on Salamander Populations in Great Smoky Mountains National Park*. – Appalachian Highlands Science Learning Center Grant – Great Smoky Mountains National Park

2018. \$7,000. **Milanovich, J.R.** *Long-term Impacts of Pesticide and Nutrient Additions on Amphibians* – Office of the Provost, Loyola University Chicago



2017. \$5,000. **Milanovich, J.R.** *Physiology and Ecology of Salamanders Inhabiting Inland Saline Environments in the Pothole Region of Canada* – Department of Research Services, Loyola University Chicago

2017-2019. \$82,100. **Milanovich, J.R.** and M.E. Berg. *Examining the response of golf course lentic ecosystems to insecticide and nutrient additions using survey and experimental approaches* – United States Golf Association Turfgrass and Environmental Research Committee

2017. \$5,000. Hocking, D.J., J.A. Crawford, W.E. Peterman, **J.R. Milanovich**. 2017. *Short-term Effects of Wildfire on Salamander Populations in Great Smoky Mountains National Park*. Carlos C. Campbell Memorial Fellowship – Great Smoky Mountains Conservation Association

2017. **Milanovich, J.R.** \$5,500. *Examining the legacy effects of captive-rearing on Blanding's Turtles (*Emydoidea blandingii*)* – National Great Rivers Research and Education Center Summer Internship Program

2017. \$1,124. Crawford, J.A., D.J. Hocking, W.E. Peterman, **J.R. Milanovich**. *Short-term Effects of Wildfire on Salamander Populations in Great Smoky Mountains National Park*. – Appalachian Highlands Science Learning Center Grant – Great Smoky Mountains National Park

2016. \$5,500. **Milanovich, J.R.** *Examining the nutrient storage and recycling roles of a terrestrial salamander in two forest ecosystems* – National Great Rivers Research and Education Center Summer Internship Program

2016. \$4,765. **Milanovich, J.R.** *Investigating legacy effects from captive-rearing on a North America endangered turtle* – Department of Research Services, Loyola University Chicago

2015. \$7,000. **Milanovich, J.R.** *Carryover effects of invasive plants on amphibian fitness* – Office of the Provost, Loyola University Chicago

2015. \$5,000. **Milanovich, J.R.** *Investigating the synergistic effects of plant invasion and climate change on anurans* – National Great Rivers Research and Education Center Summer Internship Program

2014. \$10,000. **Milanovich, J.R.** *Demography, stress, and diet of the Ornate Box Turtle (*Terrapene ornata*) in the sand hills of Will County, Illinois* – Illinois Department of Natural Resources Wildlife Preservation Fund

2014. \$6,000. **Milanovich, J.R.** *Survey of the Ornate Box Turtle (*Terrapene ornata*) in the sand hills of Will County, Illinois* – Illinois Department of Natural Resources

2012. \$15,000. Crawford, J.A., **J.R. Milanovich**, W.E. Peterman, and D. Hocking. *Climate change effects on elevational distributions of plethodontid salamanders in the Great Smoky Mountains National Park* – National Geographic WAITT Grant

2008. \$1,500. **Milanovich, J.R.** *Importance of larval plethodontid salamanders to stream ecosystems*. Theodore Roosevelt Memorial Grant – American Museum of Natural History

2008. \$900. *Experimentally testing the consequence of a decline in plethodontid salamanders in Southern Appalachian streams* – North Carolina Herpetological Society

## **RESEARCH INTEREST**

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Herpetofauna health and physiology  
Influence of global change on communities  
Importance of species to aquatic and terrestrial ecosystem processes  
Herpetofauna role in nutrient retention and recycling  
Consumer-resource stoichiometry  
Stable isotope ecology  
General zoology; natural and life history of biota; primarily herpetofauna

## **PROFESSIONAL PRESENTATIONS**

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### Oral

- 2022 Annual Meeting of Aquatic Sciences, Grand Rapids, MI (1 PI-led)  
2019 Annual Meeting of the Society for Freshwater Science, Salt Lake City, UT (2 student-led; 1 PI)  
2018 Annual Meeting of the Society for Freshwater Science, Detroit, MI (1 student-led; 1 PI)  
2018 Great Smoky Mountain National Park Science Colloquium, Gatlinburg, TN  
2018 Midwest Fish and Wildlife Conference, Milwaukee, WI (1 student-led; 1 PI led)  
2017. Annual Meeting of the Society for Freshwater Science, Raleigh, NC  
2016 2016 Box Turtle Conservation Workshop, Champaign, IL  
2016 2016 Loyola University Chicago Undergraduate and Research Symposium (1 student-led)  
2016. Special Highlands Conference on Plethodontid Salamander Biology. Highlands, NC.  
2016. 2016 Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA.  
2015. Annual Meeting of the Society for Freshwater Science, Milwaukee, WI  
2014. 2014 Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN  
2014. 6<sup>th</sup> Conference on the Biology of Plethodontid Salamanders, Tulsa, OK  
2013. Annual Meeting of the Society for Freshwater Science, Jacksonville, FL  
2012. Annual Meeting of the Society for Freshwater Science, Louisville, KY  
2011. 96<sup>th</sup> Ecological Society of American Annual Meeting, Austin, TX  
2010. Southeastern Partners in Amphibian and Reptile Conservation, Camp Ocala, FL  
2010. D.B. Warnell School of Forestry and Natural Resources Graduate Student Symposium, Athens, GA. \*Award winner  
2009. 94<sup>th</sup> Ecological Society of America Annual Meeting, Albuquerque, NM  
2009. 7<sup>th</sup> Southern Forestry and Natural Resource Management GIS Conference. Athens, GA.  
\*Award winner  
2009. Coweeta Hydrological Laboratory LTER Annual Meeting, Otto, NC  
2009. D.B. Warnell School of Forestry and Natural Resources Graduate Student Symposium, Athens, GA.  
2008. 22<sup>nd</sup> Global Meeting of the Society for Conservation Biology, Chattanooga, TN.  
2008. D.B. Warnell School of Forestry and Natural Resources Graduate Student Symposium, Athens, GA. \*Award winner  
2006. 90<sup>th</sup> Annual Meeting of the Arkansas Academy of Science, Batesville, AR. \*Award

winner

2005. 32<sup>nd</sup> Meeting of Kansas Herpetological Society, Pittsburg, KS.  
2005. Joint Meeting of Ichthyologist and Herpetologist, Tampa, FL.

Poster

- 2022 Annual Meeting of Aquatic Sciences, Grand Rapids, MI (4 student-led)  
2018 Annual Meeting of the Society for Freshwater Science, Raleigh, NC (2 student-led)  
2017 Annual Meeting of the Society for Freshwater Science, Raleigh, NC (4 student-led)  
2017 Loyola University Chicago Undergraduate and Research Symposium (3 student-led)  
2016 Meeting of Ichthyologists and Herpetologists, New Orleans, LA (1 Student-led)  
2016 Loyola University Chicago Undergraduate and Research Symposium (4 student-led)  
2016 Loyola University of Chicago Climate Change Conference (1 student-led)  
2015. Annual Meeting of the Society for Freshwater Science, Milwaukee, WI (1 student-led)  
2015 2015 Loyola University Chicago Undergraduate and Research Symposium (2 student-led)  
2015 2015 Chicago Area Undergraduate Research Symposium, Chicago, IL (2 student-led)  
2014. 2014 Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN (2 student-led)  
2012. 60<sup>th</sup> Annual Meeting of Entomological Society of America, Knoxville, TN (1 student-led)  
2009. Fall Orientation for Teaching and Graduate Assistants, University of Georgia, Athens, GA  
2009. Long-term Ecological Research Site All Scientist Meeting, Estes Park, CO.  
2009. Southeastern Partners in Amphibian and Reptile Conservation Meeting, Athens, GA.  
2007. Southeastern Partners in Amphibian and Reptile Conservation Annual Meeting,  
Chattanooga, TN.  
2005. Annual Meeting of the Arkansas Academy of Science, Conway, AR.

Invited seminars to learned forums

- Milanovich, J.R.** 2020. Washington State University, Pullman, WA  
**Milanovich, J.R.** 2017. Chicago Wilderness, Chicago, IL  
**Milanovich, J.R.** 2015. Chicago Wilderness, Bartlett, IL  
**Milanovich, J.R.** 2015. Eastern Illinois University, Charleston, IL  
**Milanovich, J.R.** 2015. Northern Illinois University, DeKalb, IL  
**Milanovich, J.R.** 2014. University of Wisconsin, Madison, Madison, WI  
**Milanovich, J.R.** 2013. The Field Museum of Natural History, Chicago, IL.  
**Milanovich, J.R.** 2012. U.S. Environmental Protection Agency, National Exposure Research Laboratory, Ecological Exposure Research Division, Cincinnati, OH.  
**Milanovich, J.R.** 2011. Department of Biology, Wright State University, Dayton, OH.  
**Milanovich, J.R.** 2011. U.S. Environmental Protection Agency, National Risk Management Research Laboratory, Sustainable Environments Branch, Cincinnati, OH.  
**Milanovich, J.R.**, 2010. Department of Biological Sciences, Eastern Kentucky University, Richmond, KY.

Invited public seminars

- Milanovich, J.R.** 2015. “Amphibians and global change: what do we stand to lose?” Invited seminar for Friends of Nature Preserves of Cook County, Blue Island, IL.  
**Milanovich, J.R.** 2014. “Amphibians and global change: what do we stand to lose?” Invited seminar for Chicago Herpetological Society, Chicago, IL.

**Milanovich, J.R.** 2009. "Introducing the Patch-nosed Salamander." Invited seminar for Sandy Creek Nature Center, Athens, GA.

**Milanovich, J.R.** 2009. "Introducing the Patch-nosed Salamander." Invited seminar for University of Georgia Herpetological Society, Athens, GA.

**Milanovich, J.R.** 2009. "Amphibian Conservation: What is all the croak about?" Invited seminar for University of Georgia Herpetological Society, Athens, GA.

#### **ADDITIONAL PROFESSIONAL EXPERIENCE**

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- 2006 – 2010      **Graduate Research Assistant**, University of Georgia, Athens, GA.
- 2004 – 2006      **Graduate Research Assistant**, Arkansas State University, State University, AR
- 2003 – 2004      **Wildlife Biologist**, Wildlife Plus Consulting, Alto, NM
- 2002              **Environmental Education Instructor**, Camp McDowell Environmental Center, Nauvoo, AL
- 2002              **Wildlife Biologist**, Turnstone Environmental Consultants, Portland, OR
- 2001              **Student Conservation Association Biological Technician**, Mount Rainier National Park, Ashford, WA
- 2000              **Student Conservation Association Biological Technician**, Cape Cod National Seashore, Wellfleet, MA

#### **ADDITIONAL SCHOLARY AND SERVICE ACTIVITIES**

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**Peer-reviewer:** American Midland Naturalist, Animal Conservation, Biotropica, BMC Ecology, Collaboration for Environmental Evidence, Conservation Biology, Copeia, Freshwater Biology, Freshwater Science, Forests, Global Change Biology, Global Ecology and Biogeography, Herpetological Conservation and Biology, Hydrobiologia, Inland Waters, Journal of Applied Meteorology and Climatology, Journal of Fish and Wildlife Management, Journal of Herpetology, Knowledge and Management of Aquatic Ecosystems, Landscape and Urban Planning, Northeastern Naturalist, Oecologia, PLoS ONE, Southeastern Naturalist, Transactions of Illinois State Academy of Science, and Wetlands.

**Board of Editors:** Northeastern Naturalist

**Associate Editor:** Herpetological Conservation and Biology

**Session Moderator:** Land use and non-point source effects on streams session, 2012 Annual Meeting of the Society for Freshwater Science, Louisville, KY.

#### **PROFESSIONAL SOCIETY MEMBERSHIPS**

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Ecological Society of America

Society for the Study of Amphibians and Reptiles

American Society for Ichthyologists and Herpetologists  
The Herpetologists' League  
Society for Freshwater Science  
Association for Zoos and Aquariums

**RESEARCH AND EXPERTISE FEATURED IN**

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2017. Research on Blanding's turtle augmentation profiled in Daily Herald and NCTV17/  
2015. Research on ornate box turtle ecology profiled in Herald News.  
2009. Research on discovery of new salamander genus and species profiled in *National Geographic* (online), *BBC News* (online), *Smithsonian Magazine*, *Atlanta Journal Constitution*, *Athens Banner Herald*, *Georgia Backroads* and *UGA Magazine*  
2008. Research on salamander breeding ecology profiled in "Life in Cold Blood," British Broadcasting Channel TV series.