

# Bradley J. Cosentino

Department of Biology  
Hobart and William Smith Colleges  
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## Education

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Ph.D., Ecology, Evolution, and Conservation Biology, University of Illinois, 2011.  
B.A., Biology, Augustana College (IL), *summa cum laude*, 2004.

## Professional positions

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2021-present	Chair, Department of Biology, Hobart and William Smith Colleges
2021-present	Adjunct Associate Professor, Department of Environmental Biology, SUNY College of Environmental Science and Forestry
2018-present	Associate Professor, Department of Biology, Hobart and William Smith Colleges.
2014-present	Adjunct Professor, Department of Biological Sciences, University of Rhode Island
2012-2018	Assistant Professor, Department of Biology, Hobart and William Smith Colleges
2011-2012	Postdoctoral Research Associate, Department of Natural Resources and Environmental Sciences, University of Illinois
2011-2012	Visiting Scientist, Jornada Basin LTER, USDA Agricultural Research Service, Las Cruces, NM.
2005	Research Technician, Cary Institute of Ecosystem Studies and Hubbard Brook Experimental Forest
2004	Research Technician, University of Missouri and Highlands Biological Station
2003	National Science Foundation Research Experiences for Undergraduates, Cary Institute of Ecosystem Studies

## Publications

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*Peer-reviewed articles:* (underline indicates undergraduate co-author)

In prep	<b>Cosentino, B.J.</b> , J.P. Vanek, and J.P. Gibbs. Natural selection on melanism in eastern gray squirrels ( <i>Sciurus carolinensis</i> ) along an urbanization gradient.
In prep	<b>Cosentino, B.J.</b> , R.L. Schooley, B.T. Bestelmeyer, H. Campos, R. Treminio, and L.M. Burkett. Habitat restoration at landscape scales: Is more treatment coverage always better for biodiversity?
In review	Fusco, N.A., J.P. Vanek, <b>B.J. Cosentino</b> , et al. Extensive genetic connectivity across the native range of eastern gray squirrels ( <i>Sciurus carolinensis</i> ) despite three centuries of landscape change.
2022	Alexander, N.B., <b>B.J. Cosentino</b> , and R.L. Schooley. Testing the niche reduction hypothesis for a fossorial rodent ( <i>Geomys bursarius</i> ) experiencing agricultural intensification. <i>Ecology and Evolution</i> 12: e9559.
2022	<b>B.J. Cosentino</b> and J.P. Gibbs. Parallel evolution of urban-rural clines in melanism in a widespread mammal. <i>Scientific Reports</i> 12:1752.
2021	Elmore, J.A., S.B. Hager, <b>B.J. Cosentino</b> , et al. Correlates of bird collisions with buildings across three North American countries. <i>Conservation Biology</i> 35:654-665.
2021	Brubaker, K. and <b>B.J. Cosentino</b> . Forest structure and biomass in post-agricultural forests: Lessons learned with new spatial tools. <i>Applied Vegetation Science</i> 24:e12552.
2020	Wagnon, C.J., R.L. Schooley, and <b>B.J. Cosentino</b> . Shrub encroachment creates a dynamic landscape of fear for desert lagomorphs via multiple pathways. <i>Ecosphere</i> , 11(9):e03240.
2019	<b>Cosentino, B.J.</b> , R.L. Schooley, B.T. Bestelmeyer, H. Campos, and L.M. Burkett. Does habitat disturbance promote geographical parthenogenesis in whiptail lizards? <i>Evolutionary Ecology</i> 33:839-853.
2019	Bowne, D.R., <b>B.J. Cosentino</b> , L.J. Anderson, et al. A broader approach to understanding urbanization effects on freshwater turtles: Reply to Lambert and Steen 2019. <i>Conservation Biology</i> 33:1197-1199.

- 2019 Marsh, D.M., and **B.J. Cosentino**. Causes and consequences of non-random drop-outs for citizen science projects: Lessons from the North American Amphibian Monitoring Program. *Freshwater Sciences* 38:292-302. Invited Paper.
- 2019 Kenyon, K.L., **B.J. Cosentino**, A.J. Gottesman, M.E. Onorato, J. Hoque, and S.G. Hoskins. From CREATE workshop to course implementation: examining the downstream impacts on teaching practices and student learning at 4YR institutions. *BioScience* 69:47-58.
- 2018 **Cosentino, B.J.**, and K.M. Brubaker. Effects of land use legacies and habitat fragmentation on salamander abundance. *Landscape Ecology* 33:1573-1584.
- 2018 Bowne, D.R., **B.J. Cosentino**, L.J. Anderson, C.P. Bloch, S. Cooke, et al. Effects of urbanization on population structure of freshwater turtles across the United States. *Conservation Biology* 32:1150-1161.
- 2017 Otaibi, B., Q. Johnson, and **B.J. Cosentino**. Postautotomy tail movement differs between colour morphs of the red-backed salamander (*Plethodon cinereus*). *Amphibia-Reptilia* 38:395-399.
- 2017 **Cosentino, B.J.**, J.D. Moore, N.E. Karraker, M. Ouellet, and J.P. Gibbs. Evolutionary response to global change: climate and land use interact to shape color polymorphism in a woodland salamander. *Ecology and Evolution* 7:5426-5434.
- 2017 Hager, S.B., **B.J. Cosentino**, M.A. Aguilar-Gómez, M. L. Anderson, M. Bakermans, et al. Continent-wide analysis of how urbanization affects bird-window collision mortality in North America. *Biological Conservation* 212:209-215. \*Selected as Editor's choice.
- 2017 Marsh, D.M., **B.J. Cosentino**, K.S. Jones, J.J. Apodaca, K.H. Beard, J.M. Bell, C. Bozarth, D. Carper, J.F. Charbonnier, A. Dantas, E.A. Forys, M. Foster, J. General, K.S. Genet, M. Hanneken, K.R. Hess, S. Hill, F. Iqbal, N.E. Karraker, E.S. Kilpatrick, T.A. Langen, J. Langford, K. Lauer, A.J. McCarthy, J. Neale, S. Patel, A. Patton, C. Southwick, N. Stearrett, N. Steijn, M. Tasleem, J.M. Taylor, and J.R. Vonesh. Effects of roads and land use on frog distributions across spatial scales in the eastern and central United States. *Diversity and Distributions* 23:158-170.
- 2016 **Cosentino, B.J.** and D.C. Droney. Movement behaviour of woodland salamanders is repeatable and varies with forest age in a fragmented landscape. *Animal Behaviour* 121:137-146.
- 2015 **Cosentino, B.J.**, R.L. Schooley, B.T. Bestelmeyer, A.J. McCarthy, and K. Sierzega. Rapid genetic restoration of a keystone species exhibiting delayed demographic response. *Molecular Ecology* 24:6120-6133.
- 2014 **Cosentino, B.J.**, D.M. Marsh, K.S. Jones, J.J. Apodaca, C. Bates, J. Beach, K.H. Beard, K. Becklin, J.M. Bell, C. Crockett, G. Fawson, J. Fjelsted, E.A. Forys, K.S. Genet, M. Grover, J. Holmes, K. Indeck, N.E. Karraker, E. Kilpatrick, T.A. Langen, S.G. Mugal, A. Molina, J.R. Vonesh, R. Weaver, and A. Willey. Citizen science reveals widespread negative effects of roads on amphibian distributions. *Biological Conservation* 180:31-38. \*Selected as Editor's choice.
- 2014 McAllister, M.M., R.L. Schooley, B.T. Bestelmeyer, J.M. Coffman, and **B.J. Cosentino**. Effects of grassland restoration efforts on mound-building ants in the Chihuahuan Desert. *Journal of Arid Environments* 111:79-83.
- 2014 **Cosentino, B.J.**, R.L. Schooley, B.T. Bestelmeyer, J.F. Kelly, and J.M. Coffman. Constraints and time lags for recovery of a keystone species (*Dipodomys spectabilis*) after landscape restoration. *Landscape Ecology* 29:665-675.
- 2013 **Cosentino, B.J.**, R.L. Schooley, B.T. Bestelmeyer, and J.M. Coffman. Response of lizard community structure to desert grassland restoration mediated by a keystone rodent. *Biodiversity and Conservation* 22:921-935.
- 2013 Hager, S.B., **B.J. Cosentino**, K.J. McKay, C. Monson, W. Zuurdeeg, and B. Blevins. Window area and development drive spatial variation in bird-window collisions in an urban landscape. *PLoS One* 8(1):e53371.
- 2013 Bluett, R.D., and **B.J. Cosentino**. Estimating occupancy of *Trachemys scripta* and *Chrysemys picta* with time-lapse cameras and basking rafts: a pilot study in Illinois, USA. *Transactions of the Illinois State Academy of Science* 106:15-21.

- 2012 **Cosentino, B.J.**, C.A. Phillips, R.L. Schooley, W.H. Lowe, and M.R. Douglas. Linking extinction-colonization dynamics to genetic structure in a salamander metapopulation. *Proceedings of the Royal Society B* 279:1575–1582.
- 2012 Hager, S.B., **B.J. Cosentino**, and K.J. McKay. Scavenging affects persistence of avian carcasses resulting from window collisions in an urban landscape. *Journal of Field Ornithology* 83:203–211.
- 2012 Lowe, W.H., M.A. McPeck, G.E. Likens, and **B.J. Cosentino**. Decoupling of genetic and phenotypic divergence in a headwater landscape. *Molecular Ecology* 21:2399–2409.
- 2011 **Cosentino, B.J.**, R.L. Schooley, and C.A. Phillips. Spatial connectivity moderates the effect of predatory fish on salamander metapopulation dynamics. *Ecosphere* 2(8):art95.
- 2011 **Cosentino, B.J.**, R.L. Schooley, and C.A. Phillips. Connectivity of agroecosystems: dispersal costs can vary among crops. *Landscape Ecology* 26:371–379.
- 2010 **Cosentino, B.J.**, R.L. Schooley, and C.A. Phillips. Wetland hydrology, area, and isolation influence occupancy and spatial turnover of the painted turtle, *Chrysemys picta*. *Landscape Ecology* 25:1589–1600.
- 2009 **Cosentino, B.J.**, W.H. Lowe, and G.E. Likens. Demography and movement of the northern spring salamander in four New Hampshire headwater streams. *Verh. Internat. Verein. Limnol.* 30:677–680.
- 2008 Lowe, W.H., M.A. McPeck, G.E. Likens, and **B.J. Cosentino**. Linking movement behavior to dispersal and divergence in plethodontid salamanders. *Molecular Ecology* 17:4459–4469.
- 2006 Hager, S.B., and **B.J. Cosentino**. An identification key to the rodent prey found in owl pellets: employing incisor size to distinguish among genera. *American Biology Teacher* 68:135–144.
- 2006 Lowe, W.H., G.E. Likens, and **B.J. Cosentino**. Self-organization in streams: the relationship between movement behavior and body condition in a headwater salamander. *Freshwater Biology* 51:2052–2062.
- Book chapters:*
- 2019 Gibbs, J.P., M.F. Buff, and **B.J. Cosentino**. The biological system – Urban wildlife, adaptation and evolution: urbanization as a driver of contemporary evolution in gray squirrels (*Sciurus carolinensis*). In Hall, M.A. and S. Balogh, eds. *Understanding Urban Ecology*, Springer, pp. 269-286.
- 2018 **Cosentino, B.J.** and R.L. Schooley. Dispersal and wetland fragmentation. In: Finlayson, C., et al. (editors). *The Wetland Book*. Springer, Dordrecht.
- 2018 Schooley, R.L. and **B.J. Cosentino**. Metapopulation dynamics of wetland species. In: Finlayson, C., et al. (editors). *The Wetland Book*. Springer, Dordrecht.
- Technical reports:*
- 2023 **Cosentino, B.J.** Trend estimation and effects of landscape composition on the distribution of Illinois chorus frogs (*Pseudacris illinoensis*) in Illinois. Illinois Department of Natural Resources, Springfield, Illinois.
- 2022 Will, D.J., G. Roberts, H. McKenzie-McHarg, A. Thieme, J. Sexton, and **B.J. Cosentino**. A natural capital accounting system for island-marine ecosystem restorations. Island Conservation. Published by Island Conservation, Santa Cruz, California.
- 2018 **Cosentino, B.J.** Examining occupancy and detection probability after three years of monitoring for the Illinois chorus frog (*Pseudacris streckeri illinoensis*). Illinois Department of Natural Resources, Springfield, Illinois.
- 2014 **Cosentino, B.J.** Monitoring plan to detect trends in occupancy of Illinois chorus frogs (*Pseudacris streckeri illinoensis*). Illinois Department of Natural Resources, Springfield, Illinois.
- 2008 **Cosentino, B.J.**, C.A. Phillips, and R.L. Schooley. Wetland occupancy and landscape connectivity for Blanding's and Western Painted Turtles in the Green River Valley. Illinois Natural History Survey Technical Report 2008(55).
- Pre-prints:*
- 2014 Hager, S.B., and **B.J. Cosentino**. Surveying for bird carcasses resulting from window collisions: a standardized protocol. *PeerJ PrePrints* 2:e406v1.

*Book reviews:*

- 2006 Hager, S.B., and **B.J. Cosentino**. Book review of The Naked Emperor: Darwinism Exposed. *Reports of the National Center for Science Education* 26(6):27–28.
- 2005 Mollan, T., **B.J. Cosentino**, and J.J. Williams. Book review of Law, Darwinism, and Public Education: the Establishment Clause and the Challenge of Intelligent Design. *Reports of the National Center for Science Education* 25(3–4):41–43.
- 2004 Williams, J.J., S.B. Hager, and **B.J. Cosentino**. Book review of Darwin's Proof: The Triumph of Religion Over Science. *Reports of the National Center for Science Education* 23(3–4):43–44.
- 2003 **Cosentino, B.J.**, J.J. Williams, L.B. Guderyahn, and S.B. Hager. Book review of Designer Universe: Intelligent Design and the Existence of God. *Reports of the National Center for Science Education* 23(1):28–29.

*Other publications:*

- 2018 Bio Box: Bird-window collisions. In Ornithology: Foundation, Critique, and Application. Morrison, M.L., A.D. Rodewald, G. Voelker, J.F. Prather, and M.R. Colon, editors. John Hopkins University Press.

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**Grants and other funding**

*Awarded:*

- 2020 National Science Foundation. Adaptive and nonadaptive mechanisms of phenotypic evolution in response to urbanization. PI with J.P. Gibbs and A. Caccone. Total award: \$1,500,000 total. \$426,452 to Hobart & William Smith Colleges.
- 2016 USGS, DOI, NYS DEC, and Hudson River Estuary Program. Water Resources Research Grant Program. \$10,024. Linking land use and climate dynamics to ecological responses of amphibians and reptiles within New York State watersheds: An integrative approach using citizen science. Co-PI with J.P. Gibbs.
- 2016 United States Fish and Wildlife Service. Federal Aid in Wildlife Restoration. \$509,373 total, \$100,000 to Hobart & William Smith Colleges. *Geomys bursarius* in Illinois. Distribution and co-occurrence with badgers, movements and survival, and spatial genetic structure. Co-PI with R.L. Schooley.
- 2016 United States Department of Agriculture. AFRI-BNRE: Agroecosystem Management. \$440,000 total, \$56,500 to Hobart & William Smith Colleges. Spatial congruence between biodiversity and other ecosystem services across scales in a managed landscape mosaic. Co-PI with R.L. Schooley, B.T. Bestelmeyer, and B.B. Cutts.
- 2014 Illinois Department of Natural Resources. \$11,170. Creating a statewide monitoring plan for the Illinois Chorus Frog.
- 2007 Illinois Department of Natural Resources. Illinois Wildlife Preservation Fund. \$5,000. Wetland occupancy and landscape connectivity for Blanding's and western painted turtles in the Green River Valley. PI with C.A. Phillips and R.L. Schooley.

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**Teaching**

*Hobart and William Smith Colleges:*

- 2012-present Biostatistics (BIOL212), Evolutionary Genetics (BIOL215), Ecology (BIOL 225), Wildlife Ecology and Management (BIOL315), Conservation Biology (BIOL316), Senior Seminar: Biology of the City (BIOL460), Senior Seminar: Human Nature (BIOL460)

*University of Illinois:*

- 2010 Environmental Biology (IB105)
- 2006-2009 Teaching assistant, Organismal and Evolutionary Biology (IB150), Ecology (IB203), Genetics (IB204), Evolution (IB302), Honors Ecology and Evolution (IB372), Conservation Biology (IB451)

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**Mentoring of undergraduate students, graduate students, and postdoctoral associates**

*Postdoctoral associate advisor:*

- 2023-present Jesse Borden, Department of Biology, Hobart and William Smith Colleges
- 2021-2022 John Vanek, Department of Biology, Hobart and William Smith Colleges.

*Graduate faculty advisor:*

2021-present Jessica Proctor, M.S. Degree, Department of Environmental Biology, SUNY College of Environmental Science and Forestry. Co-advised with James Gibbs.

*Undergraduate faculty advisor:*

2022 Samantha Sorensen and Henry Loudon, Independent Study in Biology. Linking coat color in eastern gray squirrels to predator attack rates in urban and rural environments.

2021 Mark Suchewski, Independent Study in Biology. Habitat selection by color morphs of eastern gray squirrels following translocation.

2019-2020 Alessandra Bryan, Honors Thesis in Biology. Effects of urbanization on the evolution of coat color in eastern gray squirrels.

2018-2019 Grace Marshall, Honors Thesis in Biology. Personality-dependent dispersal in a woodland salamander.

2018 Alessandra Bryan, Independent Study in Biology. Population genetic structure of the plains pocket gopher (*Geomys bursarius*)

2017-2018 Banan Otaibi, Honors Thesis in Biology. Evolutionary effects of land use legacies on color morphology in salamanders.

2017 Michael Conroy, Independent Study in Biology. Modeling spatial and temporal variation in the incidence and prevalence of sexually-transmitted diseases.

2015 Madeline Balman, Independent Study in Biology. Evolution of movement behavior in response to road mortality.

2014-2015 Alison McCarthy, Honors Thesis in Biology. Effects of forest edges on the behavior of red-backed salamanders.

2014 Lauren Walter, Independent Study in Biology. Effects of building structural features and land use on bird-window collisions.

2013-2014 Samuel Knopka, Honors Thesis in Biology. Spatial distribution of a terrestrial salamander along a forest fragmentation gradient.

*Graduate student committee member:*

2018-present Casey Wagnon, Ph.D. Degree, Department of Natural Resources and Environmental Sciences, University of Illinois.

2018-present Nathan Alexander, Ph.D. Degree, Department of Natural Resources and Environmental Sciences, University of Illinois.

2018 Harrison Goldspiel, M.S. degree, Environmental and Forest Biology, SUNY-Environmental Science and Forestry

2014 Allen Hamilton, M.S. degree, Department of Natural Resources Science, University of Rhode Island

*Undergraduate summer research mentor*

2022 Ruben Navarro, Hannah Huston, Devon Adamo, Alexandra Miller, Jordan Britton, Henry Loudon

2021 Regina Hashim, Mark Suchewski, Anna Rider, Hanna Swett

2020 Connor Parrow

2019 Britta Goncarovs, Mark Suchewski, Alessandra Bryan

2018 Grace Marshall, Penelope Murphy, Alessandra Bryan, Britta Goncarovs, Josh Pugliese, Anna Leffler

2017 Banan Otaibi, Grace Marshall, Alessandra Bryan, Morgan Ross

2016 Banan Otaibi, Katie Rogan, Thomas Stephens (Union College)

2015 Madeline Balman, Shay Callahan

2014 Alison McCarthy, Nicholas Steijn

2013 Samuel Knopka, Alison McCarthy

**Honors and awards**

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2017 Editor's Choice, *Biological Conservation*.

2014 Editor's Choice, *Biological Conservation*

2010	NASA-Michigan State University Professional Enhancement Award, International Association for Landscape Ecology (US-IALE)
2006-2010	Recognized as Excellent Teacher by Students, University of Illinois
2009	John G. and Evelyn Hartman Heiligenstein Outstanding Teaching Assistant Award, School of Integrative Biology, University of Illinois
2006, 2007	NSF Graduate Research Fellowship Program – <i>Honorable Mention</i>
2005-2008	University of Illinois Distinguished Fellowship

## Presentations

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### *Invited talks:*

2022	Urbanization and the evolution of coat color in eastern gray squirrels. Adaptive Peaks Seminar Series. SUNY School of Environmental Sciences and Forestry, NY.
2021	Salamanders and land use history in the Finger Lakes. Finger Lakes Museum, Branchport, NY.
2020	Wildlife responses to shrub encroachment and landscape restoration in the Chihuahuan Desert. University of Arizona, School of Natural Resources and the Environment.
2020	Wildlife responses to environmental change and management: From New Mexico to New England. University of Massachusetts, Department of Environmental Conservation.
2017	Effects of global change on trait variation in a woodland salamander. Utica College, NY.
2016	Behavioral divergence of woodland salamanders in a fragmented landscape. EvoDay Symposium on Evolution and Conservation. Cornell University, NY.
2016	Effects of global change on trait variation in a woodland salamander. University of Rhode Island, RI.
2015	Restoration of a keystone rodent in a shrub-encroached landscape. Skidmore College, NY.
2015	Insights into effects of roads on amphibians from citizen science. Road Ecology Symposium. 100 <sup>th</sup> Annual Meeting of the Ecological Society of America.
2015	Landscape change and biodiversity conservation. Honors Institute Lecture Series, Monroe Community College, NY.
2015	Restoration of a keystone rodent in a shrub-encroached landscape. Clarkson University, NY.
2015	Restoration of a keystone rodent in a shrub-encroached landscape. SUNY Buffalo State, NY.
2015	How roads affect amphibians and what we can do about it. Speaking of Nature Lecture Series, Finger Lakes Community College Muller Field Station, NY.
2014	Responses of biodiversity to restoration of desert grasslands at landscape scales. SUNY School of Environmental Sciences and Forestry (SUNY-ESF), NY.
2014	Responses of biodiversity to restoration of desert grasslands at landscape scales. Union College, NY.
2014	Responses of biodiversity to restoration of desert grasslands at landscape scales. Ithaca College, NY.
2012	Landscape effects on wildlife populations and ecological restoration. Earlham College, IN.

### *Contributed presentations:*

2022	Society of Environmental Toxicology and Chemistry North America Annual Meeting, Pittsburgh, PA.
2022	American Society of Mammalogists Meeting. One co-authored presentation.
2022	International Association of Landscape Ecology – North America Meeting. One co-authored presentation.
2022	Annual Meeting of the New York Chapter of The Wildlife Society. Two co-authored presentations.
2021	International Association of Landscape Ecology – North America Meeting. One co-authored presentation.
2021	American Society of Mammalogists Meeting. Two co-authored presentation.
2019	U.S. – International Association of Landscape Ecology Meeting, Fort Collins, CO. One first-authored presentation.
2019	Evolution Meeting, Providence, RI. One co-authored presentation.
2019	Annual Meeting of the Ecological Society of America, Louisville, KY. One co-authored presentation.
2018	North American Congress for Conservation Biology. Toronto, Canada. One first-authored presentation.
2018	Joint Meeting of Ichthyologists and Herpetologists. Rochester, NY. One co-authored presentation.
2018	Annual Meeting of the Wilson Ornithological Society, Chattanooga, TN. One co-authored presentation.
2018	American Ornithology Meeting, Tucson, AZ. One co-authored presentation.
2017	Annual Meeting of the Ecological Society of America, Portland, OR. One first-authored presentation.
2017	U.S. – International Association of Landscape Ecology Meeting, Baltimore, MD. One co-authored presentation.
2017	Congreso para el Estudio y Conservación de las Aves de México. Morelia, Michoacán, México. One co-authored presentation.

2017 International Conference on Ecology and Transportation. Salt Lake City, UT. One co-authored presentation.

2017 Annual Meeting of the Wilson Ornithological Society, Fort Myers, FL. One co-authored presentation.

2016 Annual Meeting of the Ecological Society of America, Fort Lauderdale, FL. One first-authored presentation.

2016 North American Ornithological Conference, Washington DC. One co-authored presentation.

2015 Annual Meeting of the Ecological Society of America, Baltimore, MD. One first-authored presentation.

2015 Ecological Research as Education Network Meeting, Elizabethtown, PA. One co-authored presentation.

2014 Annual Meeting of the Ecological Society of America, Sacramento, CA. One first-authored presentation and two co-authored presentations.

2014 North America Congress for Conservation Biology, Missoula, MT. One first-authored presentation.

2014 Ecological Research as Education Network Meeting, Rock Island, IL. One co-authored presentation.

2013 The 11<sup>th</sup> International Mammalogical Congress, Belfast, UK. One first-authored presentation.

2013 Annual Meeting of the Ecological Society of America, Minneapolis, MN. One co-authored presentation.

2013 Ecological Research as Education Network Meeting, San Antonio, TX. One co-authored presentation.

2012 Annual Meeting of the Ecological Society of America, Portland, OR. One first-authored presentation.

2012 North American Ornithological Conference, Vancouver, Canada. One co-authored presentation.

2011 Annual Meeting of the Ecological Society of America, Austin, TX. One first-authored presentation.

2011 Annual Meeting of The Wildlife Society. Waikoloa, HI. One co-authored presentation.

2010 Annual Meeting of the US-International Association of Landscape Ecology, Athens GA. One first-authored presentation, One co-authored presentation.

2009 Midwest Fish and Wildlife Conference, Springfield, IL. One first-authored presentation.

2009 Annual Meeting of the US-International Association of Landscape Ecology, Snowbird, UT. One first-authored presentation.

2008 Midwest Fish and Wildlife Conference, Columbus, OH. One first-authored presentation.

2008 Annual Meeting of the Illinois State Academy of Science, Champaign, IL. One first-authored-presentation.

2008 Annual Meeting of the Hubbard Brook Cooperators, West Thornton, NH. One co-authored presentation.

2008 Annual Meeting of the Ecological Society of America, Milwaukee, WI. One co-authored presentation.

2007 Midwest Fish and Wildlife Conference, Madison, WI. One first-authored presentation.

2007 Congress of the International Association of Theoretical and Applied Limnology, Montreal, Canada. One first-authored presentation.

2007 Conference on the Biology of Plethodontid Salamanders. San Cristóbal de las Casas, Chiapas, Mexico. One co-authored presentation.

2006 American Society of Limnology and Oceanography, Victoria, Canada. One co-authored presentation.

2005 Annual Meeting of the Illinois State Academy of Science, Galesburg, IL. One first-authored presentation.

2004 Annual Meeting of the Illinois State Academy of Science, Charleston, IL. One first-authored presentation.

*Guest lectures and other presentations:*

2016 Guest Lecture in Intro to Environmental Studies: Climate Change, Hobart and William Smith Colleges

2015, 2022 Faculty lunch speaker, Hobart and William Smith Colleges

2013 Guest Lecture in Aquatic Biology, Hobart and William Smith Colleges

2012 Guest Lecture in Biological Diversity, Earlham College, IN

2008-2012 Guest Lecture in Wildlife Population Ecology, University of Illinois

2007, 2011 Guest Field Instructor for Wildlife Field Techniques, University of Illinois

2011 Guest Field Instructor for Research in Field Biology, Augustana College, IL

2011 Guest Lecture in Environmental Biology, University of Illinois

2009 Guest Lecture in Honors Ecology and Evolution, University of Illinois

2009 Guest Lecture in Conservation Biology, University of Illinois

2008 EcoLunch Speaker, University of Illinois.

2008 Guest Lecture in Genetics, University of Illinois

2008 Guest Lecture in Neotropical Herpetology, Organization for Tropical Studies, Costa Rica.

2008 Guest Lecture in Herpetology, University of Illinois

2007 Guest Lecture in Research in Field Biology, Augustana College, IL

2007 Speaker, Illini Biological Society Research Symposium, University of Illinois

2005 Guest Lecture in Vertebrate Zoology, Augustana College, IL.

## Service

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### *Leadership roles at Hobart & William Smith Colleges, campus level*

2023	Committee member: Tenure and promotion committee (RIII, International Relations)
2022	Committee member: Developing a program in environmental science
2021	Field examiner, Honors Program (Anna Rider, Environmental Studies)
2020-present	Chair, Institutional Animal Care and Use Committee
2020-present	Committee member: HWS Land Use Committee
2014-present	Instructor, Environmental Studies Summer Youth Institute
2014-2021	Chair, Hanley Field Station Steering Committee
2020	Committee member: Tenure and promotion committee (RII, Economics)
2018-2019	Chair, Committee on Committees
2018-2019	Committee member, Data Governance Task Force
2018-2019	Committee member, Executive Committee of the Faculty
2012-2019	Committee member, Institutional Animal Care and Use Committee
2018	Committee member, Search for Vice President for Academic Affairs & Senior Dean of Faculty
2016-2018	Committee member, Committee on Committees
2012-2017	Faculty Fellow, Hobart College Cross Country
2017	Committee member, Exploratory subcommittee on a Scholar's Program
2012-2015	Committee member, Goldwater Scholarship
2015	Committee member, Grievance Committee
2015	Faculty examiner, Honors Program (Kelly Haley, History)
2015	Committee member: Faculty search (Economics)
2015	Committee member: Faculty search (Mathematics)
2014	Instructor, Quantitative Fellows training, Center for Teaching and Learning

### *Leadership roles at Hobart & William Smith Colleges, Department of Biology*

2022	Field examiner, Honors Program (Erika Sipos, Biology)
2021-present	Chair, Department of Biology
2019	Field examiner, Honors Program (Penelope Murphy, Biology)
2017-2018	Teaching Fellows Liaison
2017-2018	Committee member, Introductory biology curriculum
2017-2018	Committee member, Promotion review committee
2015	Field examiner, Honors Program (Amanda Rappaport, Biology)
2014-2015	Teaching Fellows Liaison
2014, 2018	Biology representative, Admitted Student Meet and Greet
2013	Biology representative, Science Research Fair for prospective students
2013	Biology representative, Sophomore Majors and Minors Fair
2012-2014	Seminar series organizer

### *External leadership roles*

2021-2022	External Reviewer, Undergraduate Honors Thesis (Jeremiah Tennant, SUNY-ESF)
2015-present	Co-Director, New York Amphibian and Reptile Survey, <a href="https://www.nyherps.org/">https://www.nyherps.org/</a>
2019-2021	Committee Member, Steering Committee for the New York Mammal Survey
2017	Herpetofauna team leader, Cayuga Nature Center Bioblitz
2015	Mentor, Graduate Student, Post Docs, and Mentor/Mentee Breakfast, Annual Meeting of the Ecological Society of America, Baltimore, MD
2014	Provided guidance on sampling design for bird-window collisions to the Mitigating Bird Strikes on Campus Working Group.
2012, 2014	Judge, Buell and Braun Awards (best student presentations), Annual Meeting of the Ecological Society of America, Portland, OR
2012-2013	Ad hoc handling editor, <i>Conservation Biology</i>



## **Referee**

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### *Journal article reviews (# reviews):*

Agriculture, Ecosystems and Environment (1)	Herpetological Conservation and Biology (1)
American Midland Naturalist (2)	Herpetological Review (2)
Amphibia-Reptilia (1)	Integrative Zoology (1)
Animal Conservation (2)	Journal of Animal Ecology (2)
Biodiversity and Conservation (2)	Journal of Applied Ecology (2)
Biological Conservation (6)	Journal of Herpetology (4)
Bioscience (2)	Journal of Mammalogy (1)
Conservation Biology (5)	Journal of Wildlife Management (5)
Ecography (6)	Landscape Ecology (20)
Ecological Applications (2)	Molecular Ecology (2)
Ecology (2)	Oecologia (2)
Ecology and Evolution (1)	PLoS One (1)
Ecological Indicators (2)	Proceedings of the Royal Society B (1)
Ecosphere (3)	Restoration Ecology (1)
Frontiers in Ecology and the Environment (2)	Urban Ecosystems (1)
Heredity (3)	Wildlife Biology (1)

### *Grant reviews*

Natural Sciences and Engineering Research Council of Canada, Discovery Grant

### *Textbook reviews*

Analysis of Biological Data (Whitlock and Schluter), 2<sup>nd</sup> Edition (8 chapters)

### *Other reviews*

Washington Connected Landscapes Project, U.S. Fish and Wildlife Service

## **Professional society membership**

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Society for the Study of Evolution  
Ecological Society of America  
Ecological Research as Education Network