

Julie A. Jedlicka

Curriculum Vitae

Missouri Western State University
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Research and Teaching Interests

Ecology, ornithology, animal behavior, biology, agroecology, conservation, molecular scatology

Appointments

2020-present	Associate Professor of Biology, Missouri Western State University, St. Joseph, MO
2015-2020	Assistant Professor of Biology, Missouri Western State University, St. Joseph, MO
2014-2015	Visiting Researcher, University of California, Berkeley
2011-2013	National Science Foundation Postdoctoral Fellow, University of California, Berkeley

Academic History

2011	Ph.D. Environmental Studies, University of California, Santa Cruz
2004	M.S. Ecology and Evolutionary Biology, University of Michigan, Ann Arbor
2000	B.S. Resource and Ecology Management, University of Michigan, Ann Arbor

Fellowships

2011-2013	National Science Foundation Postdoctoral Research Fellowship in Biology, Intersections of Biology and Mathematical Sciences (PI, \$123,000)
2009-2010	Chancellor's Dissertation-Year Fellowship (\$33,693)

External Funding (since 2012)

2017-2021	National Science Foundation: International Research Experiences for Students. <i>Birds, Beans, and Bugs – Modeling a warming climate's effect on the natural enemies hypothesis</i>, PI (Co-written with M. Johnson (PI), T. Bean (Co-PI), \$249,424)
2017	Missouri Department of Conservation, <i>Ozark Glade Diversity</i> (Co-PI, Co-written with T. Quedensley (Co-PI), M. Mills (Co-PI), \$100,000)
2016	National Science Foundation Division of Environmental Biology RUI (<i>not funded</i>, Co-written with M. Johnson, T. Bean)
2012-2013	American Viticulture Foundation. <i>Enhancing Beneficial Birds in Vineyards</i> (Co-written with A. Vo, R. Bowie, \$19,750)

Awards

2018	Dr. James V. Mehl Award for outstanding faculty scholarship at MWSU
2017	Alpha Chi Faculty Compass Award for most influential impact on an undergraduate's studies
2009	Outstanding Teaching Award, University of California Santa Cruz

Peer-Reviewed Publications

* - indicates student author

Nute*, LH & Jedlicka, JA. *In Review*. Evidence for frequency-dependent selection in House Wrens, but not Eastern Bluebirds. *Journal of Ethology*.

Jedlicka, JA, Philpott, SM, Baena Hurtado, ML, Bichier, P, Dietsch, TV, Nute*, LH, Langridge, SM, Perfecto, I, Greenberg, R. *In Review*. Dietary differences in insectivore birds in coffee agroecosystems in Chiapas, Mexico driven by shade management, season, and year. *Journal of Field Ornithology*.

- 2019 Shackelford, GE, Kelsey, R, Sutherland, WJ, Kennedy, CM, Wood, SA, Gennet, G, Karp, DS, Kremen, C, Seavy, NE, **Jedlicka, JA**, Gravuer, K, Kross, SM, Bossio, DA, Saez, AM, LeHue, DG, Garbach, K, Ford, LD, Felice, M, Reynolds, MD, Rao, DR, Boomer, K, LeBuhn, G, and Dicks, LV. **2019. Evidence synthesis as the basis for decision analysis: A method of selecting the best agricultural practices for multiple ecosystem services. *Frontiers in Sustainable Food Systems*. 3:83.**
- 2017 **Jedlicka, JA**, Vo, AE, and Almeida, RPP. **2017. Molecular scatology and high-throughput sequencing reveal predominately herbivorous insects in the diets of adult and nestling Western Bluebirds (*Sialia mexicana*) in California vineyards. *The Auk: Ornithological Advances*. 134(1):116-127.**
- 2015 Letourneau, DK, Ando, AW, **Jedlicka, JA**, Narwanni, A Barbier E. **2015. Simple-but-sound methods for estimating the value of changes in biodiversity for biological pest control in agriculture. *Ecological Economics*. 120: 215-225.**
- 2014 Vo, AE & **Jedlicka, JA**. 2014. Protocols for metagenomic DNA extraction and amplicon Illumina library preparation for fecal and swab samples. *Molecular Ecology Resources*. 14: 1183-1197.
- 2014 **Jedlicka, JA**, Letourneau, DK, Cornelisse, T. 2014. Establishing songbird nest boxes increased avian insectivores and reduced herbivorous arthropods in a California vineyard, USA. *Conservation Evidence*. 11: 34-38.
- 2014 **Jedlicka, JA**, Greenberg, R, Raimondi, P. 2014. Vineyard and riparian habitat, not nest box presence, alter avian community composition. *Wilson Journal of Ornithology*. 126(1):60-68.
- 2013 **Jedlicka, JA**, Sharma, AM, Almeida, RPP. 2013. Molecular tools reveal avian diets in agricultural landscapes. *Conservation Genetics Resources*. 5(3): 879-885.
- 2011 **Jedlicka, JA**, Greenberg, R, Letourneau, DK. 2011. Avian conservation practices strengthen ecosystem services in California vineyards. *PLoS ONE*. 6(11): e27347. doi:10.1371/journal.pone.0027347 Available: <http://dx.plos.org/10.1371/journal.pone.0027347>
- 2011 Johnson, RJ, **Jedlicka, JA**, Quinn, JE, Brandle, JR. 2011. Global perspectives on birds in agricultural landscapes. *In* Campbell, W.B. and S.L. Ortiz (eds.) *Issues in agroecology: Present status and future prospectus*. Invited book chapter. Springer. 55-140.
- 2009 Letourneau, DK, **Jedlicka, JA**, Bothwell, SG, Moreno, CR. 2009. Effects of natural enemy biodiversity on the suppression of arthropod herbivores in terrestrial systems. *Annual Review of Ecology, Evolution, and Systematics*. 40: 573-592.
- 2006 **Jedlicka, JA**, Greenberg, R, Perfecto, I, Philpott, SM, Dietsch, TV. 2006. Seasonal shift in the foraging niche of a tropical avian resident: resource competition at work? *Journal of Tropical Ecology*. 22 (4): 385-395.
- 2004 **Jedlicka, JA**, Vandermeer, J, Aviles-Vazquez, K, Barros, O, Perfecto, I. 2004. Gypsy moth defoliation of oak trees and a positive response of red maple and black cherry: an example of indirect interaction. *American Midland Naturalist*. 152 (2): 231-236.

Outreach Publications (not peer-reviewed)

- 2018 **Jedlicka, JA**, Mills, M. **2018. Birding and herping the Ozark Glades. Missouri Natural Areas Newsletter**. 18(1): 21-24.
<https://nature.mdc.mo.gov/sites/default/files/downloads/NANewsletter2018.pdf>

Media Coverage

- 2019 **Study aims to make MWSU more bird-friendly. 11 July. Saint Joseph News-Press. By D. Cobb.** https://www.newspressnow.com/news/local_news/study-aims-to-make-mwsu-more-bird-friendly/article_ca7fbbe2-a3e7-11e9-87cc-a3afb4bc6634.html
- 2019 **Autumn brings many changes. 7 Sep. Saint Joseph News-Press. By H. Page.** https://www.newspressnow.com/news/local_news/autumn-brings-many-changes/article_18d0c028-cf0f-11e9-888a-e38c3bb0ba43.html
- 2019 **Birds and Berries – Friend or Foe? 3 April. National Association of Conservation Districts. By Lucas Patzek.** <https://www.nacdnet.org/2019/04/03/birds-and-berries-friend-or-foe/>

- 2018 **Brains, birds and flu bugs: student/faculty research abounds.** Cover article of Spring 2018. The Magazine of Missouri Western State University. By D. Holtz.
<https://www.missouriwestern.edu/magazine/wp-content/uploads/sites/403/2012/04/MWSU.Mag-Spring18pdf.pdf>
- 2017 **Western to send research team to Kenya.** 30 April. Saint Joseph News-Press. By N. Ellgren.
http://www.newspressnow.com/news/local_news/western-to-send-research-team-to-kenya/article_0fc47b8d-4599-5a5f-9753-8642e1d50423.html
- 2017 **Biology department receives nearly quarter million grant.** 28 April. Griffon News. Missouri Western State University.
- 2017 **Guest on 680 KFEQ Barry Birr talk radio.** 26 April.
- 2017 **Birds, Beans and Bugs: Biology professor earns NSF grant.** 25 April. MWSU News Release.
<https://www.missouriwestern.edu/news/2017/04/25/birds-beans-and-bugs-biology-professor-earns-nsf-grant/> also uploaded to wn.com
https://article.wn.com/view/2017/04/25/Birds_Beans_and_Bugs_Biology_professor_earns_NSF_grant/
- 2017 **The Wonder of Birds: What they tell us about ourselves, the world, and a better future.** Robbins, Jim. 30 May. Research featured in his book. Spiegel & Grau: 352 pp.
- 2016 **The Wildlife Society. It's a win-win for bluebirds and vineyards.** 9 Dec.
<http://wildlife.org/its-a-win-win-for-bluebirds-and-vineyards/>
- 2016 **Popular Science. Bluebirds' poop proves their value to California vineyards: Putting birds to work on the farm.** 25 Nov. <http://www.popsci.com/bluebird-poop-proves-their-value-to-california-vineyards>
- 2016 **The Auk. DNA analysis of bluebird feces reveals benefits for vineyards.** 11 Nov.
<https://americanornithologypubsblog.org/2016/11/24/dna-analysis-of-bluebird-feces-reveals-benefits-for-vineyards/#respond>
- 2016 **Bohemian. Put a Bird on it: New research reveals birds' beneficial impact on Napa Valley vineyards.** 13 July.
<http://www.bohemian.com/northbay/put-a-bird-on-it/Content?oid=2973082&showFullText=true>
- 2014 **The Weekly Calistogan. Tech, Innovation grow at Rootstock.** 18 November.
http://napavalleyregister.com/calistogan/news/local/tech-innovation-grow-at-rootstock/article_af93d2db-0d39-58a7-a8d3-1f5118a29991.html
- 2014 **St. Helena Star. Tech, NVG's Rootstock sold out.** 18 November.
http://napavalleyregister.com/star/business/nvg-s-rootstock-sold-out/article_0478f15c-7736-533e-be86-bb6aaa373ca2.html
- 2013 **Audubon Magazine. What do birds do for us?** Mar-April.
<http://www.audubonmagazine.org/articles/birds/what-do-birds-do-us>
- 2012 **San Francisco Chronicle. Western bluebirds offer pest control on the fly.** 8 Jan.
<http://www.sfgate.com/cgi-bin/article.cgi?f=/c/a/2012/01/06/HO9H1MJ6UG.DTL>
- 2012 **The Wildlife Professional. The Wildlife Society Field Notes: The power of the bluebird.** Spring. 6 (1): 76. http://store.wildlife.org/scriptcontent/Journal/twp_archive/Spring%202012.pdf
- 2012 **Wines & Vines. A vineyard's feathered friend.** 8 Nov.
<http://www.winesandvines.com/template.cfm?section=news&content=107318>
- 2012 **Audubon Magazine. Pest Control: Birds, natural crop defenders, protect grapes and coffee in the field.** Mar-April. <http://www.audubonmagazine.org/articles/birds/controlling-pests-birds>
- 2011 **Science Update. AAAS.** 24 Nov. <http://www.scienceupdate.com/2011/11/wine/>
- 2011 **The New York Times. In a California vineyard, bluebirds earn their keep.** Green blog. 14 Nov.
<http://green.blogs.nytimes.com/2011/11/14/in-a-california-vineyard-bluebirds-earn-their-keep/>
- 2011 **The Guardian. Bird-friendly California vineyards may have fewer pests.** Punctuated Equilibrium. 11 Nov. <http://www.guardian.co.uk/science/punctuated-equilibrium/2011/nov/11/5>
- 2011 **Santa Cruz Weekly. UCSC grad finds bluebird-wine connection.** 16 Nov.
http://www.santacruz.com/news/2011/11/16/ucsc_grad_finds_bluebirdwine_connection

- 2011 The Oregonian. Animal nature: winemakers get an avian assist. 16 Nov
http://www.oregonlive.com/environment/index.ssf/2011/11/animal_nature_washington_hawk.html
- 2008 Byron, J. 2008. Research News: Nest boxes can attract wildlife to vineyards. California Agriculture. 62 (4): 131-132.
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Conferences

* - indicates MWSU undergraduate student

- Jedlicka, JA. *Contributed talk*. 2019. Detecting ecosystem services from insectivorous birds. Invited for the symposium “Molecular Ecology is for the birds: using molecular techniques to advance our understanding of avian ecology.” American Ornithological Society Annual Conference. June. Anchorage, Alaska.
- Jedlicka, JA. *Contributed talk*. 2019. Insectivorous birds foraging in temperate and tropical landscapes. Invited for the symposium “Biodiversity-mediated trade-offs in agroecosystems: when do birds help or hurt farmers?” American Ornithological Society Annual Conference. June. Anchorage, Alaska.
- Watson, C*, Mills, H*, Brown, S*, Robertson, B*, Mills, M, Jedlicka, JA, and Quedensley, T. *Poster Presentation*. 2019. Monitoring biodiversity and health of Missouri Ozark glades. Midwest Partners in Amphibian and Reptile Conservation Annual Meeting. August. Madrid, Iowa.
- Mills, M, Watson, C*, Mills, H*, Brown, S*, Robertson, B*, DeShazo, M*, Herron, J*, Jedlicka, JA, and Quedensley, T. *Contributed talk*. 2019. Biodiversity and management of Missouri Ozark glades with an emphasis on amphibians and reptiles. Missouri Academy of Sciences Annual Meeting. April. Maryville, Missouri.
- Watson, C*, Robertson, B*, DeShazo, M*, Herron, J*, Jedlicka, JA, and Mills, M. *Contributed talk*. 2019. Monitoring the biodiversity of Missouri Ozark Glades. Annual Beta Beta Beta Regional Conference. March. Steelville, Missouri.
- Hayward L*, Jedlicka JA. *Poster Presentation*. 2018. Frequency-dependent selection from cavity nesting songbirds on sentinel pests. Animal Behavior Society Annual Conference. Aug. Milwaukee, Wisconsin.
- Thammarat C*, Hayward L*, McDowell M*, Brown S*, McDowell M*, Steward L*, and Jedlicka JA. *Poster Presentation*. 2018. Avian nest site selection and reproductive success. Joint Meeting of the Association of Field Ornithology and the Wilson Ornithological Society. June. Chatanooga, Tennessee.
- Hayward L*, Thammarat C*, McDowell M*, Brown S*, McDowell M*, Steward L*, and Jedlicka JA. *Poster Presentation*. 2018. Avian nest site selection and reproductive success. Tri-Beta Northcentral Region District Convention. Apr. Council Grove, Kansas.
**** won John C. Johnson Award for Excellence in Student Research, 2nd place ****
- Brown, S*, McDowell, M*, Hayward, L*, and Jedlicka, J. *Poster Presentation*. 2017. Avian nest site selection and reproductive success. Ornithological Congress of the Americas. Aug. Puerto Iguazú, Argentina.
- Jedlicka, JA. *Contributed talk*. 2017. Methodologies to detect avian-induced ecosystem services. American Ornithological Society. August. Lansing, Michigan.
- Brown, S*, McDowell, M*, Stewart, L*, and Jedlicka, J. *Poster Presentation*. 2017. Avian nest site selection and reproductive success. Missouri Natural Resources Conference. Feb. Osage Beach, Missouri.
- Jedlicka, JA and Vo, AE. *Contributed talk*. 2016. Molecular scatology and high-throughput sequencing reveal bluebirds consuming predominately herbivorous insects in California vineyards. North American Ornithological Conference. August. Washington, DC.
- Jedlicka, JA. *Contributed talk*. 2016. Avian foraging behavior and prey selection: Untangling critical links. Animal Behavior Society. July. Columbia, Missouri.

- Jedlicka, JA. *Contributed talk*. 2016. Building conservation efforts within the university: Creating a bird-friendly campus. May. Annual Meeting of the New World Agriculture and Ecology Group. Ann Arbor, Michigan.**
- Jedlicka, JA and Johnson, JA. *Workshop*. 2014. Beneficial birds in the vineyard with bird box building demonstration. November. Rootstock Conference. Napa, California.**
- Jedlicka, JA and Vo, AE. *Contributed talk*. 2014. Ecosystem function of insectivorous birds in California vineyards. Ecological Society of America. August. Sacramento, California.**
- Jedlicka, JA and Vo, AE. *Contributed talk*. 2014. Uncovering the diets of Western Bluebirds in California vineyards. Joint meeting of the Association of Field Ornithologists and Wilson Ornithological Society. May. Newport, Rhode Island.**
- Jedlicka, JA, Greenberg, R, Raimondi, P. *Poster presentation*. 2013. Avian use of habitat fragments in California oak-vineyard landscapes. Joint meeting of the American Ornithologists' Union and Cooper Ornithological Society. August. Chicago, Illinois.**
- Jedlicka, JA. *Contributed talk*. 2013. Avian predators of arthropod prey in California vineyards. University of California Vineology Conference. Oakville Experimental Vineyard. April. Napa, California.**
- Jedlicka, JA. *Poster presentation*. 2012. DNA extraction and next-generation Illumina sequencing of fecal samples from insectivorous birds. DOE Joint Genome Institute. September. Walnut Creek, California.**
- Jedlicka, JA. *Contributed talk*. 2012. Molecular tools reveal diets of insectivorous birds from predator fecal matter. North American Ornithological Conference. August. Vancouver, British Columbia.**
- Jedlicka, JA. *Poster presentation*. 2012. Molecular tools reveal diets of insectivorous birds from predator fecal matter. Ecological Society of America National Meeting. August. Portland, Oregon.**
- Letourneau, DK, Cornelisse, T, **Jedlicka, JA**, Bothwell, SG, Stireman, J. *Symposium talk*. 2011. Build it and they will come: Resource provisioning for insects. Symposium entitled "Celebrating the Career of Pedro Barbosa: A Passion for Insects and Plants." Entomological Society of America National Meeting. November. Reno, Nevada.
- Jedlicka, JA, Greenberg, R, Letourneau, DK. *Contributed talk*. 2011. Avian conservation practices strengthen ecosystem services in California vineyards. Ecological Society of America National Meeting. August. Austin, Texas.**
- Jedlicka, J.A. and Greenberg, R. *Contributed talk*. 2011. Conservation of avian species strengthens ecosystem services in California vineyards. In Symposium: Avian conservation and ecosystem services in agricultural landscapes. Annual Meeting of the American Field Ornithologists, Cooper, and Wilson Ornithological Societies. March. Kearney, Nebraska.**
- Jedlicka, J.A. *Table Presentation*. 2010. Bluebirds in vineyards. Napa Organic Winegrape Conference. July. Rutherford, CA.**
- Heaton, E., Long, R. **Jedlicka, J.A. *Contributed talk*. 2010. Songbird, bat, and owl nest boxes. Ecological Farming Association. January. Pacific Grove, California.**
- Jedlicka, J.A. *Contributed talk*. 2010. Conservation practices increase pest control in California vineyards. Napa Vineyard Technical Group. May. Napa, California.**
- Jedlicka, J.A. *Contributed talk*. 2009. Managing birds in vineyards: Pest control and conservation strategies. Wine and Wine Grape Research Conference. February. Davis, California.**
- Jedlicka, J.A. *Contributed talk*. 2007. Birds and biocontrol. Annual Meeting of the New World Agriculture and Ecology Group. August. Santa Cruz, California.**
- Jedlicka, J.A. *Contributed talk*. 2006. La diversidad de aves en agroecosistemas. Curso Internacional de Agroecología y Desarrollo Rural Sostenible. July. Universidad Nacional Autónoma de Nicaragua.**
- Jedlicka, J.A. *Contributed talk*. 2003. Foraging behavior seasonal niche shift of the Rufous-capped Warbler in a Chiapas, Mexico, coffee farm. American Ornithologists' Union National Meeting. August. Champaign-Urbana, Illinois.**

Invited Lectures (since 2011)

- 2019 Western Bluebird research in vineyards. Invited Speaker at Wildfarm Alliance's All Things Avian Workshop. Tres Sabores Vineyard. St. Helena, California. Mar.**

- 2018 **Ecosystem function and services: A bird's eye view. Biology Capstone Seminar at Avila University. Kansas City, Missouri. Mar.**
- 2017 **Birds and their nesting habitats. Missouri Master Naturalists Loess Hills Chapter, St Joseph. Sep.**
- 2017 **The science behind women in science. Presentation and panel discussion, Women in Science Lecture. Missouri Western State University. St Joseph. March.**
- 2017 **Attracting and identifying backyard birds in NW Missouri. Midland Empire Audubon Society, St Joseph. Jan.**
- 2016 Amphibian Ecology. Herpetology. Missouri Western State University, St Joseph. March.
- 2015 Ecosystem function of Western Bluebirds at Spring Mountain Vineyard. St. Helena, California. Jan.
- 2014 Benefitting from increased animal diversity in vineyards. Organic Winegrowing Conference. Rutherford, California. July.
- 2014 What does biodiversity do for us? Madrone Audubon Society. Santa Rosa, California. January.
- 2013 Avian predators of arthropod prey: Dissecting food webs in California vineyards. Wildlife and Conservation Biology Seminar. University of California, Berkeley. October.
- 2013 Avian conservation and insect pest control: Constructing food webs in California vineyards. Biology Department Seminar. State University of New York, New Paltz, NY. March.
- 2012 Avian conservation practices strengthen ecosystem services in California vineyards. Environmental Studies Seminar. Gettysburg College, Pennsylvania. November.
- 2012 Promoting beneficial bird populations in North Coast vineyards. Napa Viticulture Fair. Napa, California. November.
- 2012 Owl boxes for rodent control and bluebird boxes for insect control. Napa Farm Bureau. Napa, California. November.
- 2012 Birds in wine country: How to enhance avian presence in your own backyard. Peregrine Audubon Society. Ukiah, California. October.
- 2012 Los pájaros beneficiosos: El uso de aves depredadoras como herramienta IPM. Field day presentation in Spanish to vineyard technical staff. Napa, California. June.
- 2012 Birds in California vineyards. Presentation to third grade classroom at Park Day School, Oakland, California. March.
- 2012 Ecosystem function of insectivorous birds in California vineyards. Ecosystem Science Seminar, University of California, Berkeley. February.
- 2011 Sustainable Wine Forum. *Panelist*. The Goldman School of Public Policy. University of California, Berkeley. December.
- 2011 Birds in California Vineyards. Point Blue Conservation Science. July.
- 2011 Avian conservation practices strengthen ecosystem services in California vineyards. April. Environmental Studies Seminar, University of California, Santa Cruz.

Teaching Experience

Assistant Professor, Missouri Western State University, St. Joseph, MO *2015-present*

Biology for non-science majors (BIO 101) – 2015 - present

Animal Behavior (cross-listed in Biology and Psychology; BIO 419/PSY 419) – Falls 2015 - present

Ornithology (BIO 318) – Springs 2016 - present

Human Ecology (BIO 207)– Falls 2017 - present

Mentoring Activities

2015- present *Mentor*. I lead a team of Missouri Western undergraduate research assistants and volunteers in three separate research projects: (1) avian nest site selection and reproductive success on MWSU campus, (2) avian foraging behavior and frequency-dependent selection, and (3) ecosystem services provided by birds in Kenyan coffee farms.

2017- 2018 *Mentor*. I co-lead a team of Missouri Western undergraduate research assistants in assessing community diversity of birds and herps in glade habitats with differing fire

management histories. With Dr. Mills we trained a total of five undergraduate research assistants over the course of two years.

- 2012 - 2014 *Undergraduate Mentor.* For my postdoctoral research, I lead a team of seven undergraduate research assistants and volunteers in three separate research projects: (1) DNA extraction and PCR techniques in the lab, (2) entomological identification and behavior, and (3) ecological experimentation via collecting avian and arthropod samples from the field.
- 2008 *Field Intern Mentor.* During my dissertation field research (March-July) I instructed and advised one Biology undergraduate and one recent Environmental Studies graduate at University of California's Hopland Research and Extension Center. While working together identifying birds and arthropods, my interns learned about ecological experimental design and data collection techniques in the context of conservation biology, ornithology, and sustainable agriculture.
- 2007 - 2011 *ENVS Intern Advisor.* Served as an advisor for nine undergraduate Environmental Studies students. Trained five students in entomological identification techniques and data collection. Mentored four students in experimental design for animal behavior studies.

Instructor, International Agroecology Course, Nicaragua

- 2006 Instructor of annual training course for international students focusing on field excursions and action education drawing from ecology, agriculture, conservation biology, and sustainable development. <http://www.agroecology.org/shortcourse.htm>

Faculty Leader, International Student Volunteers, New Zealand

- 2004 Lead two groups of 20 undergraduate volunteers on conservation projects throughout the North Island of New Zealand. We planted native species, removed invasive species and learned from Maori teachers, combining conservation, education, and recreation.

Service Positions (since 2004)

- 2019-present ***Member, Educational Resources and Innovations Subcommittee of the Animal Behavior Society's Education Committee.***
- 2019-present ***Benefits Committee Member, Missouri Western State University.***
- 2019-present ***Technology Coordinator for Turning Technologies Response Cards. Biology Department, Missouri Western State University.***
- 2018-present ***Member, Animal Behavior Society Education Committee.***
- 2018-present ***Coordinator. Biology 101 Introduction to Biology: Lecture and Laboratory. Biology Department, Missouri Western State University.***
- 2018 ***Panel Reviewer for National Science Foundation Grant Applications in International Research Experiences for Students.***
- 2018 ***Presenter.*** Lead nature walks and talked about the importance of biodiversity for Kansas City Brownie troop overnight cabin event.
- 2017-2019 ***Chair. Fringe Benefits Committee for the Faculty Senate at Missouri Western State University.*** I oversaw a committee of five faculty with regular meetings and annual reports.
- 2016-2019 ***Expert Committee Member on Ecosystem Services in Mediterranean Ecosystems. The Nature Conservancy.***
- 2016-2018 ***Co-coordinator. Biology 101 Introduction to Biology: Lecture and Laboratory. Biology Department, Missouri Western State University.***
- 2016-present ***Grinnell Awards Committee Member. Association of Field Ornithologists.***
- 2016 ***Judge. Mid-America Regional Science and Engineering Fair***
- 2013-present ***Committee Chair. Travel Awards Committee. Association of Field Ornithologists.***
- 2012-present ***Governing Council. Association of Field Ornithologists.***
- 2012-2013 ***Awards Committee Member. Association of Field Ornithologists.***
- 2004-present ***Manuscript reviewer. Agriculture, Ecosystems and the Environment; Bird Study/Ringing & Migration; Bulletin of Entomological Research; Ecography; Ecological Economics; Ecological Research; Ecology and Evolution; Environmental***

Pollution; Frontiers in Ecology and the Environment; Journal of Applied Ecology; Journal of Field Ornithology (2); Journal of Landscape Ecology; Marine Ecology Progress Series; Molecular Ecology (2); Molecular Ecology Resources; Oecologia (2); PeerJ; Scientific Reports; The Condor, Wilson Journal of Ornithology; Book chapter in *Insect Outbreaks Revisited*.

- 2012 *Session Chair*. Physiology/Hormones. North American Ornithological Conference. August 2012. Vancouver, British Columbia.
- 2011 *Symposium Co-organizer* (with Quinn, JE). Avian conservation and ecosystem services in agricultural landscapes. Annual Meeting of the American Field Ornithologists, Cooper, and Wilson Ornithological Societies. March 2011. Kearney, Nebraska.
- 2007 *Organizer and Program Chair*. Annual Meeting of the New World Agriculture and Ecology Group. August 2007. Santa Cruz, California.
- 2005-07 *Co-chair*. Environmental Studies Graduate Steering Committee. Responsibilities included requesting proposals and dispersing travel grant money, organizing annual retreats and appointing graduate student representatives on departmental committees.
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Professional Affiliations

Association of Field Ornithologists; Animal Behavior Society; American Ornithology Society; Ecological Society of America; Wilson Ornithological Society