

Elizabeth A. Flaherty

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Education:

Ph.D. 2008. Zoology and Physiology, University of Wyoming
M.N.S. 2002. Biology, Southeast Missouri State University
B.S. 2000. Wildlife and Fisheries Biology and Management, University of Wyoming

Appointments:

2013-present Assistant Professor of Wildlife Ecology and Management, Department of Forestry and Natural Resources, Purdue University.
2014-present Adjunct Assistant Professor, Department of Zoology and Physiology, University of Wyoming.
2011-2013 Assistant Academic Professional Lecturer, Life Sciences Program, Environment and Natural Resources Program, and Department of Zoology and Physiology, University of Wyoming.
2009-2010 Postdoctoral Research Associate, Department of Zoology and Physiology, University of Wyoming, WY.
2008-2009 Coordinator, UW 2004

Publications:

Wildlife/Ecological Research Publications

Eisinger, J., J.S. Scheibe, and **E.A. Flaherty**. *In review*. Novel *Glaucomys volans* vocalizations in Indiana and evidence of geographic variation in high frequency communication. *Journal of Mammalogy*.
Flaherty, E.A., M. Ben-David, and J.N. Pauli. 2014. A comparison of locomotor performance and cost of transport between the semi-arboreal Pacific marten and semi-aquatic mustelids. *Canadian Journal of Zoology* 92:259-266.
Flaherty, E.A., A.G. Noakes, and M. Ben-David. 2014. Success of saphenous venipuncture for field collection of blood from small mammals. *Wildlife Society Bulletin* 38:428-432.
Eckrich, C., **E.A. Flaherty**, and M. Ben-David. 2013. Estimating leaf area index in Southeast Alaska: a comparison of two techniques. *PLoS ONE* 8:e77642. doi:10.1371/journal.pone.0077642.
Ben-David, M. and **E.A. Flaherty**. 2012. Theoretical and analytical advances in mammalian isotopic ecology: an introduction. *Journal of Mammalogy* 93:309-311.
Ben-David, M. and **E.A. Flaherty**. 2012. Stable isotopes in mammalian research – a beginner’s guide. *Journal of Mammalogy* 93:312-328.
Flaherty, E.A., M. Ben-David, and W.P. Smith. 2010. Quadrupedal locomotion performance in two species of squirrels: predicting energy savings of gliding. *Journal of Comparative Physiology B: Biochemical, Systems, and Environmental Physiology* 180:1067-1078.
Flaherty, E.A. and M. Ben-David. 2010. Overlap and partitioning of the ecological and isotopic niches. *Oikos* 119:1409-1416.
Flaherty, E.A., M. Ben-David, and W.P. Smith, 2010. Diet and food availability of the endemic Prince of Wales northern flying squirrel (*Glaucomys sabrinus griseifrons*): implications for dispersal across a managed landscape. *Journal of Mammalogy* 91:79-91.
Flaherty, E.A., W.P. Smith, S.P. Pyare, and M. Ben-David. 2008. Experimental trials of the northern flying squirrel (*Glaucomys sabrinus*) traversing managed rainforest landscapes: perceptual range and fine-scale movements. *Canadian Journal of Zoology* 86:1050-1058.
Flaherty, E.A., J. Scheibe, and R. Goldingay. 2008. Locomotor performance and cost of transport in the squirrel glider (*Petaurus norfolcensis*) and the sugar glider (*Petaurus breviceps*). *Australian Mammalogy* 30:25-35.

Flaherty, E.A., S.A. Dubay, J. Bradley, J. Marzluff, and G.D. Hayward. 2000. The northern flying squirrel (*Glaucomys sabrinus*) as a potential predator of marbled murrelet (*Brachyramphus marmoratus*) eggs. Northwest Science 74: 335-339.

Education Publications

Gleichsner, A. and **E.A. Flaherty**. *In review*. Mini cases in choosing appropriate statistical tests to analyze ecological datasets based on hypotheses and data. National Center for Case Study Teaching in Science.

Flaherty, E.A., C. A. Eckrich, and M. Ben-David. *Accepted*. Managers stumped searching for common ground on the Big Thorne Timber Sale: a debate case. National Sciences Education.

Flaherty, E.A., C. A. Eckrich, and M. Ben-David. *Accepted*. Mystery of the missing martens. National Center for Case Study Teaching in Science.

Flaherty, E.A., C. A. Eckrich, and M. Ben-David. *Accepted*. Seeing the forest for the trees: managing for multiple use in National Forests. National Center for Case Study Teaching in Science.

Jordan, C., **E.A. Flaherty**, and J.F. Prather. 2014. A curious mission: an analysis of Martian molecules. National Center for Case Study Teaching in Science.

http://sciencecases.lib.buffalo.edu/cs/collection/detail.asp?case_id=720&id=720

Jordan, C., A.M. Seliga, and **E.A. Flaherty**. 2014. GTA boot camp: a training program to prepare first-time graduate student teaching assistants. Tested Studies for Laboratory Teaching: Proceedings of the 35th Annual Conference of the Association for Biology Laboratory Education (ABLE).

Flaherty, E.A. 2014. Animal Biology Lab Manual. 2nd Edition. Hayden-McNeil Publishing.

Flaherty, E.A. 2013. Animal Biology Lab Manual. Hayden-McNeil Publishing.

Hotchkiss, E., **E. Flaherty**, A. Krist, and C. Martinez del Rio. 2012. Lab Manual for Animal Biology, 5th Edition. Fountainhead Press, Inc.

Manuscripts in Progress:

Flaherty, E.A., J. Janick, and A. Tucker. *In prep*. Animals of the Voynich Manuscript.

Flaherty, E.A., P.A. Zollner, C.C. Day. *In prep*. Preparing undergraduate students to attend a professional conference: advice and results from the national Wildlife Society meeting in Pittsburgh, PA.

Mayes, R.K., C. Eckrich, **E.A. Flaherty**, and M. Ben-David. *In prep*. Intra-guild predation in disintegrated spatial refugia drives two-prey two-predator cycles in Southeast Alaska.

Noakes, A.G., **E.A. Flaherty**, and M. Ben-David. *In prep*. The responses of least chipmunks to the irruption of bark beetles in Southeastern Wyoming.

Walker, S.M., **E.A. Flaherty**, J. Forrester, and M. Ben-David. *In prep*. Impacts of a classroom integrated field experience: preparing undergraduates for a career in wildlife biology.

Presentations: (* denotes presenter)

2015 Abercrombie*, S.A., J.L. Berl, **E.A. Flaherty**, R.K. Swihart. Weed seed predation services by white-footed mice (*Peromyscus leucopus*) in row-crop agriculture. Annual meeting of the Wildlife Society, Winnipeg, Manitoba.

2015 Berl*, J.L., **E.A. Flaherty**, and R.K. Swihart. Does intra-population niche partitioning lead to variation in the functional role of individuals with generalist populations. Annual meeting of the Wildlife Society, Winnipeg, Manitoba.

2015 Creaser*, R.J., **E.A. Flaherty**, and M. Ben-David. Application of 2D and 3D photographic technology to estimate body size and condition of polar bears. Annual meeting of the Wildlife Society, Winnipeg, Manitoba.

2015 Eisinger*, J.W., J.S. Scheibe, and **E.A. Flaherty**. An examination of regional variation in southern flying squirrel ultrasonic communication. Annual Meeting of the American Society of Mammalogists, Jacksonville, FL.

2015 **Flaherty***, E., W. Smith, S. Trapp, and P. Zollner. Predicting persistence of northern flying squirrels (*Glaucomys sabrinus*) in a fragmented landscape using field data, laboratory experiments, and spatially explicit modeling. 7th International Colloquium on Arboreal Squirrels, Helsinki, Finland.

- 2015 Meronk*, S.E., C. Day, **E.A. Flaherty**, P.A. Zollner. Investigating the impact of invasive Asian carp on river otter diet and the native fish communities of Indiana. Annual meeting of the Wildlife Society, Winnipeg, Manitoba.
- 2015 Trapp*, S.E., **E.A. Flaherty**, W.P. Smith, and P.A. Zollner. Modeling dispersal of the endemic northern flying squirrel in the fragmented temperate rainforest of Southeast Alaska. Midwest Fish and Wildlife Conference, Indianapolis, IN.
- 2014 Trapp*, S.E., **E.A. Flaherty**, W.P. Smith, and P.A. Zollner. Modeling dispersal of the endemic northern flying squirrel in the fragmented temperate rainforest of Southeast Alaska. Annual Meeting of the Wildlife Society. Poster.
- 2014 Eisinger*, J.W., **E.A. Flaherty**, and S. E. Trapp. *Surveys of southern flying squirrel activity following timber harvest in southern Indiana*. Purdue University Summer Undergraduate Research Fellowships (SURF), West Lafayette, IN. Poster. Abstract Published. **Received an award for best poster.
- 2014 Eckrich*, C.A., **E.A. Flaherty**, and M. Ben-David. *Anthropogenic disturbance alters the isotopic niche and interspecific interactions of two sympatric small mammals*. Ecological Society of America Annual Meeting, Sacramento, CA. Poster.
- 2014 Eckrich*, C., R. Liu, M. Murphy, **E. Flaherty**, and M. Ben-David. *Developing a model for 2 predator – 2 prey cycles in a heterogeneous landscape*. Gordon Research Conference, Ventura, CA. Poster.
- 2013 Eckrich*, C., **E.A. Flaherty**, and M. Ben-David. *High spatial variation in the consumer isoscape: is it individual specialization?* Front Range Isotope Day 2013, Fort Collins, CO. Poster.
- 2013 **Flaherty***, **E.A.**, M. Ben-David, and J.N. Pauli. *Locomotor performance in the Pacific marten: are semi-arboreal mustelids more efficient runners than semi-aquatic ones?* Annual meeting of the American Society of Mammalogists, Philadelphia, PA. Poster.
- 2013 Jordan, C., A.M. Seliga*, and **E.A. Flaherty***. *GTA boot camp: a training program to prepare first-time graduate student teaching assistants*. Association for Biology Laboratory Educators Annual Conference, Calgary, AB. Major Workshop.
- 2012 Eckrich*, C., **E.A. Flaherty**, and M. Ben-David. *Small mammal responses to young-growth thinning on Prince of Wales Island, Alaska*. Wildlife Society Annual Conference, Portland, OR. Poster.
- 2011 Eckrich*, C., **E.A. Flaherty**, and M. Ben-David. *Small mammal responses to young-growth thinning on Prince of Wales Island, Alaska*. Wyoming Chapter of the Wildlife Society Annual Conference, Jackson, WY. Poster.
- 2011 **Flaherty***, **E.A.** and M. Ben-David. *Incorporating K-12 and undergraduate education into mammal field research: investigating effects of climate-induced vegetation changes on least chipmunks (Tamias minimus) in southeast Wyoming*. Annual meeting of the American Society of Mammalogists, Portland, OR. Poster.
- 2011 **Flaherty***, **E.A.**, M. Ben-David, and C. Eckrich. *Small mammal responses to young-growth thinning on Prince of Wales Island, Alaska*. Alaska Chapter of the Wildlife Society Annual Conference, Juneau, AK.
- 2010 Noakes*, A.G., **E.A. Flaherty**, and M. Ben-David. *Climate-induced vegetation changes and their effects on small mammals in southeast Wyoming*. Wyoming Chapter of the Wildlife Society Annual Conference, Lander, WY. Poster.
- 2010 Noakes*, A.G., **E.A. Flaherty**, and M. Ben-David. *Climate-induced vegetation changes and their effects on small mammals in southeast Wyoming*. Wildlife Society Annual Conference, Snowbird, UT. Poster.
- 2009 **Flaherty***, **E.A.**, M. Ben-David, and W.P. Smith. *Diet and availability of the endemic Prince of Wales flying squirrel: implications for dispersal*. Annual meeting of the American Society of Mammalogists, Fairbanks, AK.
- 2008 **Flaherty***, **E.A.**, M. Ben-David, and W.P. Smith. *Comparing energetics and cost of transport of Glaucomys sabrinus and Sciurus niger to evaluate the likelihood of dispersal of gliders in managed forests*. Annual meeting of the American Society of Mammalogists, Brookings, SD. Poster.

- 2007 **Flaherty*, E.A.**, M. Ben-David, and W.P. Smith. *Potential dispersal constraints on northern flying squirrels in the fragmented temperate rainforest of Southeast Alaska*. Annual meeting of the American Society of Mammalogists, Albuquerque, NM.
- 2007 **Flaherty*, E.A.**, M. Ben-David, and W.P. Smith. *Potential dispersal constraints on northern flying squirrels in the fragmented temperate rainforest of Southeast Alaska*. Alaska State Chapter of the Wildlife Society, Juneau, AK.
- 2005 **Flaherty*, E.A.**, S. Pyare, W.P. Smith, and M. Ben-David. *Preliminary estimates of movement capability of Glaucomys sabrinus griseifrons in managed landscapes of Southeast Alaska*. Annual meeting of the American Society of Mammalogists, Springfield, MO. Poster.
- 2004 **Flaherty*, E.A.**, J.S. Scheibe, and R. Goldingay. *Locomotor performance and cost of transport in the squirrel glider (Petaurus norfolcensis) and the sugar glider (Petaurus breviceps)*. Annual meeting of the American Society of Mammalogists, Arcata, CA. Poster.

Invited Seminars

- 2015 *Wildlife responses to forest management*. Department of Biology, Fall Seminar Series, Purdue Calumet, Hammond, IN.
- 2015 *Small mammal and small carnivore responses to timber management in Southeast Alaska: ecological studies to inform management*. Department of Biology, EcoLunch Seminar Series, Purdue University, West Lafayette, IN.
- 2014 *Small mammal and small carnivore responses to timber management in Southeast Alaska: ecological studies to inform management*. Department of Natural Resources and Environmental Science, University of Illinois, Urbana-Champaign, IL.
- 2011 *Northern flying squirrels in the Alaskan rainforest*. USDA Forest Service Rainforest Festival, Petersburg, AK.
- 2010 *Northern flying squirrel dispersal in the fragmented Alaskan rainforest*. Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN.
- 2007 *Flight delay 50-100 years: effects of timber harvest on northern flying squirrel movements in Southeast Alaska*. Zimmerman Honorarium Lecture Series, Casper College, Casper, WY.
- 2006 *Are energetics and diet potential constraints for dispersal of flying squirrels across a fragmented landscape?* Wyoming Student Chapter of the Wildlife Society, University of Wyoming, WY.
- 2006 *Northern flying squirrel dispersal in the fragmented Alaskan rainforest*. Keynote speaker for the National Flying Squirrel Association annual meeting. Houston, TX.

Funded Research Grants and Contracts:

- 2015 Indiana Department of Natural Resources. *Wildlife values survey for Indiana mesopredators*. Research Contract. **Elizabeth Flaherty** and Zoë Glas (\$3500).
- 2015 Polar Bears International. *Analysis of 2D photographs of polar bears*. Research Contract. **Elizabeth Flaherty** and Randy Creaser (\$1400).
- 2015 US Forest Service. *Northern flying squirrel population-level responses to forest management and red spruce restoration in the Allegheny Mountains*. Cooperative Agreement. **Elizabeth Flaherty**. (\$10,000)
- 2015 International Association for Bear Research and Management – Research and Conservation Grant. *Photographic monitoring of the Western Hudson Bay polar bear population*. **Elizabeth Flaherty** and Randy Creaser (\$3150)
- 2012 National Fish and Wildlife Foundation – Alaska Fish and Wildlife Fund. *Thinning of young-growth forest stands may ameliorate competitive interactions between endemic Prince of Wales ermines and introduced American martens*. Merav Ben-David and **Elizabeth Flaherty** (\$20,000)
- 2012 Polar Bear International. *Monitoring polar bear populations using citizen science and informal science education of undergraduate students*. Awarded to Merav Ben-David and **Elizabeth A. Flaherty** (\$2000)

- 2012 USDA Forest Service Cooperative Agreement (Amendment). *Small mammal responses to pre-commercial thinning research project*. Awarded to Merav Ben-David and **Elizabeth A. Flaherty** (\$71,114)
- 2012 Wyoming Space Grant Consortium. *Mission to Mars: Enhancing critical thinking skills in undergraduate science courses through the use of inquiry-based case studies*. Awarded to **Elizabeth Flaherty**, Carly Jordan, and Jonathan Prather (\$7500).
- 2012 Wyoming Governor's Big Game License Coalition, Wildlife Heritage Foundation of Wyoming. *Using the effects of bark beetle-derived forest mortality on least chipmunks as an educational tool: an assessment*. Awarded to **Elizabeth A. Flaherty** and Merav Ben-David (\$4000).
- 2011 University of Wyoming Academic Affairs. *Using assessment of the Wildlife and Fisheries Biology and Management major capstone course to inform curriculum development*. Awarded to **Elizabeth A. Flaherty**, Merav Ben-David, and Carly Jordan (\$1500).
- 2010 USDA Forest Service Cooperative Agreement. *Small mammal responses to precommercial thinning research project*. Awarded to Merav Ben-David and **Elizabeth A. Flaherty** (\$319,956).
- 2009 Wyoming Governor's Big Game License Coalition, Wildlife Heritage Foundation of Wyoming. *Predicting least chipmunk (Tamias minimus) responses to landscape-level impacts of climate change and bark beetle irruptions in Wyoming*. Awarded to **Elizabeth A. Flaherty** (\$10,400).
- 2006 Grant-in-Aid of Research, American Society of Mammalogists. *Predicting dispersal rates in fragmented rain forests of Southeast Alaska: implications for the viability of northern flying squirrel (Glaucomys sabrinus) metapopulations in managed landscapes*. Awarded to **Elizabeth A. Flaherty** (\$1000)
- 2003 USDA Forest Service Cooperative Agreement. *Northern flying squirrel dispersal across managed landscapes*. Awarded to Winston P. Smith, Merav Ben-David, and **Elizabeth A. Flaherty** (\$82,181)

Honors and Awards:

- 2015 College of Agriculture 2015-2016 Richard L. Kohls Early Career Teaching Award
- 2015 Teaching for Tomorrow, Purdue University
- 2015 Bravo Award, Purdue University
- 2013 T.S. Harris Award for Service to the Department of Zoology and Physiology, University of Wyoming
- 2013 Promoting Intellectual Engagement (PIE) Award, University of Wyoming
- 2012 University of Wyoming's James C. Hurst Each Student – A Person Award
- 2000 Wyoming Student Chapter of the Wildlife Society's Jack Sinn Memorial Award

Scholarships and Fellowships:

- 2006-2008 NSF Graduate Fellowship, University of Wyoming Science Posse (\$30,000)
- 2005 Plummer Scholarship, School of Environment and Natural Resources, University of Wyoming (\$250)
- 2005 L. Floyd Clarke Graduate Scholar Award, Department of Zoology and Physiology, University of Wyoming (\$4200)
- 2004 Dr. George W. Menkins Memorial Scholarship, Department of Zoology and Physiology, University of Wyoming (\$7200)
- 2000 Frederick E. Clements Scholarship in Ecology, Department of Zoology and Physiology, University of Wyoming (\$1500)

Professional Service:

Academic advisor for the Purdue Quality Deer Management Association student club (2014-present)
 American Society of Mammalogists:

Elected member of the ASM Board of Directors (2014-2017)
 Member of the Education and Graduate Students Committee (2014-present)
 Co-chair of the Local Committee for the 2010 annual meetings of the ASM, Laramie, WY
 Member of the American Society of Mammalogists Program Committee (2008-2012)
 Member of the Michael B. Enzi STEM Education Laboratory Planning Committee, University of Wyoming (2011-2013)
 University of Wyoming Science Math Teaching Center Affiliate Faculty (2012-2013)
 Member of the Wildlife and Fisheries Biology and Management Major Assessment Team, Zoology and Physiology Department, University of Wyoming (2011-2013)
 Chair of the Wildlife and Fisheries Biology and Management Major Assessment Team, Zoology and Physiology Department, University of Wyoming (2011-2012)
 Visiting Scientist for the 5th-6th Grade Field Research class at the University of Wyoming Lab School, Laramie, WY and Dean Morgan Middle School, Casper, WY (2009)
 Presenter for Women in Science, University of Wyoming (2008-2009, 2011-2012)
 Graduate Student Representative, Berry Biodiversity and Conservation Center Planning Committee (2007-2009)

Students Formally Mentored:

Undergraduate students

Sarah Abercrombie, Wildlife Undergraduate, 2015-present. Quantifying weed seed predation by small mammals and invertebrates in agricultural fields. Purdue University.
 Sarah Meronk, Wildlife Undergraduate, 2015-present. Investigating the impact of invasive Asian carp on river otters native fish communities in Indiana: evaluating diet using stable isotope analysis. Summer Undergraduate Research Fellowship (SURF) Program. Purdue University.
 Jonathan Wu, Wildlife Undergraduate, 2015-present. Weed seed preferences and C and N isotope tissue-diet discrimination factors of deer mice and white-footed mice. Purdue University.
 Joseph Eisinger, Wildlife Undergraduate, 2014-2015. Using acoustic sampling to evaluate southern flying squirrel responses to forest management on the Hardwood Ecosystem Experiment. Summer Undergraduate Research Fellowship (SURF) Program. Purdue University.
 Jessica Grady, Wildlife Undergraduate, 2014. Evaluating the potential uses of stable isotope analysis of maggots in forensics. Purdue University.
 Andrea Noakes, Wildlife and Fisheries Biology and Management Undergraduate, Summer-Fall 2010. Project: Predicting least chipmunk responses to habitat change following an irruption of mountain pine bark beetles in the Laramie Range of Wyoming. NASA Fellowship Award and EPSCoR Scholarship. University of Wyoming.
 Jeremiah Attebury, Wildlife and Fisheries Biology and Management Undergraduate, Fall 2009. Project: Giving-up density and perceived predation risk of least chipmunks in the Laramie Range of Wyoming. University of Wyoming.
 Carisa Stansbury, Wildlife and Fisheries Biology and Management Undergraduate, Spring 2007. Project: Locomotor performance and gait of *Martes caurina*. University of Wyoming.
 Emily Averil, Secondary Education Undergraduate, EPSCoR STEP, Summer 2006. Project: Differences in stable isotope signatures of soil invertebrates across a managed Alaskan landscape. University of Wyoming.

Graduate students

Current Graduate Committee Chairmanships:

2015-pres. Chelsea Clyde-Brockway (PhD), Co-advised with Frank Palladino at IPFW, Project: Sea turtle nutrition and habitat use (project still in development). Purdue University.
 2014-pres. Randy Creaser (MS). Project: Development of a noninvasive method for estimating body size and measuring body characteristics from photographs in free-ranging wildlife using polar bears as the focal species. Purdue University.
 2014-pres. Jacob Berl (PhD). Co-advised with Robert Swihart. Project: Wildlife responses to agriculture. Purdue University.

- 2014-pres. Stephanie Trapp (MS). Project: Using spatially explicit, individually based modeling to evaluate habitat connectivity and population persistence of the endemic Prince of Wales northern flying squirrel (*Glaucomys sabrinus griseifrons*). Purdue University.
- 2010-pres. Carolyn Eckrich (PhD). Co-advised with Merav Ben-David. Project: Density of small mammals across the managed landscape of Prince of Wales Island, Alaska. Co-advised with Merav Ben-David. University of Wyoming.
- 2012-2013 Sarah Walker (Plan B Thesis). Co-advised with Jennifer Forrester. Project: Effects of involvement in field research on students' science knowledge, career goals, and science attitudes. University of Wyoming.
- 2011-2013. R. Keith Mayes (MS). Co-advised with Merav Ben-David. Project: Use of managed landscapes by mustelids on Prince of Wales Island, Alaska. Co-advised with Merav Ben-David. University of Wyoming.

Current Graduate Committee Memberships (excluding those chaired):

- 2015-pres. Laura D'Acunto (PhD), Advisor: P. Zollner, Purdue University.
- 2015-pres. Patrick Ruhl (PhD), Advisor: B. Dunning, Purdue University.
- 2014-pres. Casey Day (PhD), Advisor: P. Zollner, Purdue University.
- 2013-pres. Sarah Stein (PhD), Advisor: T. Höök. Purdue University.
- 2015 Marjorie MacGregor (PhD), Advisor: D. Skinner. University of Wyoming.
- 2013 Kristin Schulte (Plan B thesis), Advisor A. Housel. University of Wyoming.
- 2011 Jarod Waite (Plan B thesis), Advisor: N. Korfanta. University of Wyoming.

Professional Membership:

- American Society of Mammalogists (2004-present)
- The Wildlife Society (2004-present)
- Indiana Academy of Science (2015-present)
- Indiana Chapter of the Wildlife Society (2014-present)
- North American Colleges and Teachers of Agriculture (2013-present)
- International Association for Bear Research and Management (2015)
- Association of Biology Laboratory Educators (2011-2013)

Reviewer for the Journals:

Biotropica, Ecography, Ecology, Human –Wildlife Interactions, Integrative and Comparative Biology, Journal of Ethology, Journal of Mammalogy, Landscape Ecology, Mammalian Biology, Naturwissenschaften, Oikos, Rapid Communications in Mass Spectrometry, Wildlife Interactions