
CURRICULUM VITAE

JOSEPH A. VEECH

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Research Website: <http://ecology.wp.txstate.edu/>

Academic ecologist with broad research interests in population ecology, landscape ecology, biogeography, biological conservation, and development of novel mathematical/statistical approaches for addressing research questions. Specialized interest in species-habitat relationships, species co-occurrence patterns, and anthropogenic effects on species.

EDUCATION

Post-doctoral Fellowship, Miami University, Oxford, Ohio; Aug. 2000 – July 2002

Ph.D., Ecology, Evolution, and Conservation Biology; University of Nevada; Reno, Nevada; May 2000

M.S., Biology; New Mexico State University; Las Cruces, New Mexico; December 1992

B.S., Zoology; Texas A&M University; College Station, Texas; May 1989

EMPLOYMENT

Professor, Department of Biology, Texas State University, San Marcos, Texas. September 2020 - present

Associate Professor, Department of Biology, Texas State University, San Marcos, Texas. September 2014 - 2020

Assistant Professor, Department of Biology, Texas State University, San Marcos, Texas. September 2008 - 2014

Research Assistant Professor, Department of Biological Sciences, University of Northern Colorado, Greeley, Colorado. August 2004 – present

Research Associate, Department of Fishery and Wildlife Biology, Colorado State University, Fort Collins, Colorado. August 2002 – July 2004

Post-doctoral Research Scholar, Department of Zoology, Miami University, Oxford, Ohio. August 2000 – July 2002

RESEARCH INTERESTS

The overall goal of my research program is to acquire knowledge on the factors affecting the distribution and abundance of organisms at various spatial scales from local communities to landscapes to continents. More specifically, I am most interested in how the habitat requirements and preferences of species affect distribution, abundance, and co-occurrence which then in turn represents also an effect on species coexistence and diversity. I am also interested in the application of ecological theory and knowledge to problems and challenges in conservation. I use a variety of research approaches including computer simulation modeling, null modeling/data randomization, meta-analysis, and field experiments. My research on species diversity has included various types of organisms (desert rodents, grassland birds, insects, plants) such that I do not have any one particular taxonomic focus. I have conducted research and published on the following topics:

- Effect of intra- and interspecific aggregation on local and regional species diversity, aggregation model of species coexistence, species-aggregation relationship.
- Neutral theory of biodiversity, comparison of dispersal-driven assembly of ecological communities versus niche-based assembly of communities.
- Additive partitioning of species diversity into alpha and beta components.
- Application of null models and data randomization to test for non-random patterns of community composition and species diversity.
- Development and testing of probability-based theories of species diversity.
- Analysis of ecological networks, especially networks based on co-occurrence.
- Role of spatial effects (and spatial autocorrelation) on diversity and abundance patterns.
- Development of methods to identify biodiversity hotspots.
- Examination of the effects of landscape complexity (heterogeneity) and land use practices on species diversity and abundances of select species
- Examination of increasing habitat loss and fragmentation, urbanization, and human population growth as they affect biodiversity.

RESEARCH PROJECTS

I have worked on numerous research projects involving the analysis of species diversity patterns and population change, habitat modeling, effect of landscape composition on bird abundance and population dynamics, range expansion, and habitat use. Many of these projects also involved the development and evaluation of new statistical techniques, as well as creation of user-friendly software and computer programs. Some of the projects represent the application of ecological theory and knowledge to problems in wildlife biology, conservation ecology, and environmental science. The projects employed a variety of research approaches including computer simulation modeling, null modeling and data randomization, meta-analysis, analysis and mapmaking in ArcGIS, and field experiments.

PUBLICATIONS (*manuscripts in review are not listed*)

2022 – 2024

Plappert, J. L., J. A. Veech, J. P. Martina, and J. J. Giacomo. 2024. Canopy cover as the primary factor affecting habitat use by grassland-shrubland bird species in central Texas, USA. *Journal of Field Ornithology* 95:10

Martinez, C. R. and J. A. Veech. 2024. Tufted titmice, black-crested titmice, and their hybrids occupy different types of habitat within their hybrid zone. *Evolutionary Ecology* 38:495-511.

Siciliano-Martina, L., D. A. Guerra, and J. A. Veech. 2023. Forelimb morphology as an adaptation for burrowing in kangaroo rat species (Genus *Dipodomys*) that inhabit different soil substrates. *Journal of Mammalogy* 104:1377-1389.

Haney, J. W., J. A. Veech, I. Castro-Arellano, and S. R. Fritts. 2022. Museum and citizen-science data indicate contraction in the range of Texas horned lizards (*Phrynosoma cornutum*). *Herpetologica* 78:102-109.

Kulkoyluoglu, O., J. A. Veech, and A. Tuncer. 2022. New ostracod species (*Cypridopsis schwartzi* n. sp.) from Texas, with discussion on the taxonomic status of *Cypridopsis* species in the USA. *Zootaxa* 5196:331-354.

2021

Veech, J. A. 2021. *Habitat Ecology and Analysis*. Oxford University Press, Oxford, UK.

Veech, J. A. and G. Strona. 2021. Using network analysis to explore the role of dispersal in producing and maintaining island species-area relationships. Chapter 15 (pp. 368-398) in *The Species-Area Relationship: Theory and Application*, T. J. Matthews, K. Triantis, and R. Whittaker (editors). Cambridge University Press.

Veech, J. A. 2021. Using landscape ecology to inform effective management. Chapter 5 (pp. 68 – 83) in *Wildlife Management and Landscapes: Principles and Applications*, D. M. Williams, C. Parent, and P. Krausman (editors). Johns Hopkins University Press.

Strona, G., P. S. A. Beck, M. Cabeza, S. Fattorini, F. Guilhaumon, F. Micheli, S. Montano, O. Ovaskainen, S. Planes, J.A. Veech, and V. Parravicini. 2021. Ecological dependencies make remote reef fish communities most vulnerable to coral loss. *Nature Communications* 12:e7282.

Veech, J. A. and T. Cave. 2021. Using road surveys and N-mixture models to estimate the abundance of a cryptic lizard species. *Journal of Herpetology* 55:46-54.

Ferrato, J. R., R. M. Kostecke, J. A. Veech, J. A. Muller, and C. M. Reemts. 2021. Wintering habitat associations of a declining grassland bird, the Sprague's Pipit (*Anthus spragueii*). *Southwestern Naturalist* 65:34-44.

2019

Veech, J. A. and T. Cave. 2019. Using road surveys and N-mixture models to estimate the abundance of a cryptic lizard species. *Journal of Herpetology* 55:46-54.

Ott, S. L., J. A. Veech, T. R. Simpson, I. Castro-Arellano, and J. Evans. 2019. Mapping potential habitat and range-wide surveying for the Texas kangaroo rat (*Dipodomys elator*). *Journal of Fish and Wildlife Management* 10:619-630.

Bliss, L. M., J. A. Veech, I. Castro-Arellano, and T. R. Simpson. 2019. GIS-based habitat mapping and population estimation for the Gulf Coast kangaroo rat (*Dipodomys compactus*) in the Carrizo Sands Region of Texas, USA. *Mammalian Biology* 98:17-27.

Benavidez, K. M., T. Guerra, M. Torres, D. Rodriguez, J. A. Veech, D. Hahn, R. J. Miller, F. V. Soltero, A. E. P. Ramirez, A. P. de Leon, and I. Castro-Arellano. 2019. The prevalence of *Leptospira* among invasive small mammals on Puerto Rican cattle farms. *PLOS Neglected Tropical Diseases* 13:e0007236.

2018

Muller, J. A., J. A. Veech, and R. M. Kostecke. 2018. Landscape-scale habitat associations of Sprague's Pipits wintering in the southern United States. *Journal of Field Ornithology* 89:326-336.

McGarvey, D. J. and J. A. Veech. 2018. Modular structure in fish co-occurrence networks: a comparison across spatial scales and grouping methodologies. *PLoS ONE* e0208720.

Strona, G., T. J. Matthews, S. Kortsch, and J. A. Veech. 2018. NOS: a software suite to compute node overlap and segregation in ecological networks. *Ecography* 41:558-566.

2017

Troy, J. R., N. D. Holmes, J. A. Veech, A. F. Raine, and M. C. Green. 2017. Habitat suitability modeling for the endangered Hawaiian petrel on Kauai and analysis of predicted habitat overlap with the Newell's Shearwater. *Global Ecology and Conservation* 12:131-143.

Veech, J. A. 2017. Measuring biodiversity. Pages 1-9 in *Encyclopedia of the Anthropocene*. Elsevier Publishing.

Veech, J. A., K. L. Pardieck, and D. J. Ziolkowski, Jr. 2017. How well do route survey areas represent landscapes at larger spatial extents? An analysis of land cover composition along Breeding Bird Survey routes. *Condor* 119:607-615.

Ferrato, J. R., T. R. Simpson, M. F. Small, J. A. Veech, and M. Conway. 2017. Population density and habitat associations of the Seaside Sparrow on Laguna Atascosa National Wildlife Refuge, Cameron County, Texas. *Wilson Journal of Ornithology* 129:131-138.

Muller, J. A., J. A. Veech, and J. Roach. 2017. Terrestrial herpetofauna diversity in three habitats at Tishomingo National Wildlife Refuge, Oklahoma. *Southeastern Naturalist* 16:182-194.

Strona, G., and J. A. Veech. 2017. Forbidden vs. permitted interactions: disentangling processes from patterns in ecological network analysis. *Ecology and Evolution* 7:5476-5481.

Haverland, M. B. and J. A. Veech. 2017. Examining the occurrence of mammal species in natural areas within a rapidly urbanizing region of Texas, USA. *Landscape and Urban Planning* 157:221-230.

2014 – 2016

Strona, G., A. Mauri, J. A. Veech, G. Seufert, J. S. Ayanz, and S. Fattorini. 2016. Far from naturalness: how much does spatial ecological structure of European tree assemblages depart from Potential Natural Vegetation? *PLoS ONE* e0165178.

Veech, J. A., J. R. Ott, and J. R. Troy. 2016. Intrinsic heterogeneity in detection probability and its effect on N-mixture models. *Methods in Ecology and Evolution* 8:907-915.

Griffith, D. M., J. A. Veech, and C. J. Marsh. 2016. Cooccur: probabilistic species co-occurrence analysis in R. *Journal of Statistical Software* 69:1-17.

Strona, G. and J. A. Veech. 2015. A new measure of ecological network structure based on node overlap and segregation. *Methods in Ecology and Evolution* 6:907-915.

Troy, J. R., N. D. Holmes, J. A. Veech, Andre F. Raine, and M. C. Green. 2014. Habitat suitability modeling for the Newell's shearwater on Kauai. *Journal of Fish and Wildlife Management* 5:315-329.

Veech, J. A. 2014. The pairwise approach to analysing species co-occurrence. *Journal of Biogeography* 41:1029-1035 (*guest editorial*).

Cummings, K., and J. A. Veech. 2014. Assessing the influence of geography, land cover, and host species on the local abundance of a generalist brood parasite, the Brown-headed Cowbird. *Diversity and Distributions* 20:396-404.

2011 - 2013

Troy, J. R., N. D. Holmes, J. A. Veech, and M. C. Green. 2013. Using observed seabird fallout records to infer patterns of attraction to artificial light. *Endangered Species Research* 22:225-234.

Warren, C. C., J. A. Veech, F. W. Weckerly, L O'Donnell, and J. R. Ott. 2013. Local abundance and detection heterogeneity in a territorial songbird. *The Auk* 130:677-688.

Warren, C. C., J. R. Ott, and J. A. Veech. 2013. Effects of slope, aspect, and canopy cover on site occupancy by Black-and-white Warblers (*Mniotilta varia*) and Golden-cheeked warblers (*Setophaga crysoptera*) in the juniper-oak woodlands of central Texas. *American Midland Naturalist* 169:382-397.

Feichtinger, E. E. and J. A. Veech. 2013. Association of Scissor-tailed Flycatchers (*Tyrannus forficatus*) with specific land-cover types in south-central Texas. *Wilson Journal of Ornithology* 125:314-321.

Veech, J. A. 2013. A probabilistic model for analyzing species co-occurrence. *Global Ecology and Biogeography* 22:252-260.

Small, M. F., J. A. Veech, and J. L. R. Jensen. 2012. Local landscape composition around North American Breeding Bird Survey routes. *Ecology* 93:2298.

Veech, J. A. 2012. Significance testing in ecological null models. *Theoretical Ecology* 5:611-616.

Veech, J. A., M. F. Small, and J. T. Baccus. 2012. Representativeness of land cover composition along routes of the North American Breeding Bird Survey. *The Auk* 129:259-267.

Small, M. F., J. A. Veech, and J. T. Baccus. 2012. A Comparison of White-winged Dove (*Zenaidura macroura*) densities obtained during morning and evening surveying. *Journal of Fish and Wildlife Management* 3:158-163.

Fronimos, A. B., J. T. Baccus, M. F. Small, and J. A. Veech. 2011. Use of urban bird feeders by White-winged Doves and Great-tailed Grackles in Texas. *Bulletin of the Texas Ornithological Society* 44:34-40.

Veech, J. A., M. F. Small, and J. T. Baccus. 2011. The effect of habitat on range expansion of a native and an introduced bird species. *Journal of Biogeography* 38:69-77.

2008 - 2010

Collins, M. L., M. F. Small, J. A. Veech, J. T. Baccus, and S. J. Benn. 2010. Dove habitat association based on remotely sensed land cover types in south Texas. *Journal of Wildlife Management* 74:1568-1574.

Veech, J. A. and T. O. Crist 2010. Toward a unified view of diversity partitioning. *Ecology* 91: 1988–1992.

Veech, J. A., and T. O. Crist. 2010. Diversity partitioning without statistical independence of alpha and beta. *Ecology* 91:1964-1969.

Cardoso, P., P. A. V. Borges, and J. A. Veech. 2009. Testing the performance of beta diversity measures based on incidence data: the robustness to undersampling. *Diversity and Distributions* 15:1081-1090.

Prior to 2008

Veech, J. A. and T. O. Crist. 2007. Habitat and climate heterogeneity maintain beta-diversity of birds among landscapes within ecoregions. *Global Ecology and Biogeography* 16:650-656.

Veech, J. A. 2006. A probability-based analysis of temporal and spatial co-occurrence in grassland birds. *Journal of Biogeography* 33:2145-2153.

Crist, T. O., and J. A. Veech. 2006. Additive partitioning of rarefaction curves and species-area relationships: unifying alpha, beta, and gamma diversity with sample size and habitat area. *Ecology Letters* 9:923-932.

Veech, J. A. 2006. A comparison of landscapes occupied by increasing and decreasing populations of grassland bird species. *Conservation Biology* 20:1422-1432.

Veech, J. A. 2006. Increasing and declining populations of northern bobwhites inhabit different types of landscapes. *Journal of Wildlife Management* 70:922-930.

Summerville, K. S., T. D. Wilson, J. A. Veech, and T.O. Crist. 2006. Do body size and diet breadth affect partitioning of species diversity? A test with forest Lepidoptera. *Diversity and Distributions* 12:91-99.

Veech, J. A., and S. H. Jenkins. 2005. Comparing the effects of granivorous rodents on survival of Indian ricegrass (*Oryzopsis hymenoides*) seeds in mixed and monospecific seed patches. *Western North American Naturalist* 65:321-328.

Veech, J. A. 2005. Analyzing patterns of species diversity as departures from random expectations. *Oikos* 108:149-155.

Crist, T. O., J. A. Veech, K. S. Summerville, and J. C. Gering. 2003. Partitioning species diversity across landscapes and regions: a hierarchical analysis of alpha, beta and gamma diversity. *American Naturalist* 162:734-743.

- Veech, J. A., T. O. Crist, and K. S. Summerville. 2003. Intraspecific aggregation decreases the local species diversity of arthropods. *Ecology* 84:3376-3383.
- Summerville, K. S., M. J. Boulware, J. A. Veech, and T. O. Crist. 2003. Spatial variation in species diversity and composition of forest Lepidoptera in eastern deciduous forests of North America. *Conservation Biology* 17:1045-1057.
- Gering, J. C., T. O. Crist, and J. A. Veech. 2003. Additive partitioning of species diversity across multiple spatial scales: implications for regional conservation of biodiversity. *Conservation Biology* 17:488-499.
- Veech, J. A. 2003. Incorporating socioeconomic factors into the analysis of biodiversity hotspots. *Applied Geography* 23:73-88.
- Veech, J. A., T. O. Crist, K. S. Summerville, and J. C. Gering. 2002. The additive partitioning of species diversity: recent revival of an old idea. *Oikos* 99:3-9.
- Summerville, K. S., J. A. Veech, and T. O. Crist. 2002. Does behavioral variation among butterfly species contribute to nestedness at fine spatial scales? *Oikos* 97:195-204.
- Longland, W. S., S. B. Vander Wall, S. H. Jenkins, S. Pyare, and J. A. Veech. 2001. Seedling recruitment in Indian ricegrass (*Oryzopsis hymenoides*): are desert granivores mutualists or predators? *Ecology* 82:3131-3148.
- Veech, J. A. 2001. The foraging behavior of granivorous rodents and short-term apparent competition among seeds. *Behavioral Ecology* 12:467-474.
- Veech, J. A. 2000. Predator-mediated interactions among the seeds of desert plants. *Oecologia* 124:402-407.
- Veech, J. A. 2000. A null model for detecting non-random patterns of species richness along spatial gradients. *Ecology* 81:1143-1149.
- Veech, J. A., D. A. Charlet, and S. H. Jenkins. 2000. Interspecific variation in seed mass and the coexistence of conifer species, a null model test. *Evolutionary Ecology Research* 2:353-363.
- Veech, J. A. 2000. Choice of species-area function affects identification of hotspots. *Conservation Biology* 14:140-147.
- Veech, J. A. 1999. The promise of macroecology (review of *Untangling ecological complexity, the macroscopic perspective*, by Brian A. Maurer. University of Chicago Press). *Quarterly Review of Biology* 74:450-451.
- Vander Wall, S. B., W. S. Longland, S. Pyare, and J. A. Veech. 1997. Cheek pouch capacities and loading rates of heteromyid rodents. *Oecologia* 113:21-28.

Veech, J. A., J. H. Benedix, and D. J. Howard. 1996. Lack of calling song displacement between two closely related ground crickets. *Evolution* 50:1982-1989.

SOFTWARE AND COMPUTER PROGRAMS ---

NOS – Online software for analyzing structure in ecological networks. Giovanni Strona primary developer. See Strona et al. paper in *Ecography*.

cooccur – R package for running the probabilistic model of species co-occurrence (Veech 2013, Griffith et al. 2015). Developed with Daniel Griffith (Wake Forest University, Oregon State University) and Charles Marsh (University of Leeds).

PMOD-SPCO – Available by request. Description: Stand-alone computer program that runs the probabilistic model of species co-occurrence.

PARTITION 3.0 - Available by request from J. Veech. A program for partitioning species diversity into alpha and beta components at multiple spatial levels. Program also does significance testing. Software was co-authored with Tom Crist (Miami University, Oxford, Ohio).

Species Richness Spatial Gradient Program - Archive E081-010 of the Ecological Society of America, available at http://esa.sdsc.edu/esapubs/Archive_main.htm Description: A program for testing whether inputted species richness data are non-random. The program calculates a test statistic and compares it to a null distribution.

EQUUS - Available at <http://www.unr.edu/homepage/jenkins> Description: Program for modeling the population dynamics of wild horses, co-authored with Steve Jenkins (University of Nevada-Reno) and developed for the United States Bureau of Land Management.

FUNDING ---

Ascertaining best management practices for the roadside habitat of Texas kangaroo rats. TPWD – TxDOT, Joseph Veech (PI), Ivan Castro-Arellano (co-PI), \$106,805, February 2024 – August 2025.

Identification and evaluation of non-traditional wintering habitat for Whooping Cranes in Texas. TPWD-USFWS Section 6, Clay Green (PI), Joseph Veech (co-PI), \$120,000, September 2022 – August 2025.

Estimating density and size of road-side populations of the Texas kangaroo rat. United States Fish and Wildlife Service. Joseph Veech (PI), \$50,650, January 2021 – December 2022.

The next phase of Texas kangaroo rat research: dispersal, fine-scale movement, habitat management, and initiation of a captive population. TPWD-USFWS Section 6, Joseph Veech

(PI), Ivan Castro-Arellano (co-PI), Randy Simpson (co-PI), \$86,500, January - December 2018.

Quantifying the stability of fish interaction networks along environmental disturbance gradients. SERDP (Department of Defense), Dan McGarvey (PI) – Virginia Commonwealth University, Joseph Veech (co-PI), \$175,000, May 2015 – December 2016.

Endangered Species Research Project for the Sprague's Pipit. Texas Comptroller's Office, Joseph Veech (PI), \$247,000, Jan. 2015 – Dec. 2016.

Distribution of the Texas kangaroo rat. Texas Parks and Wildlife Department, Randy Simpson (PI), Joseph Veech, Ivan Castro-Arellano, and Clay Green (co-PIs), \$89,000, Sept 2015 – Aug 2017.

Developing an effective survey protocol for a rare and cryptic lizard species. Texas State University Research Enhancement Program, Joseph Veech (PI), \$8,000, May 2015 – December 2015

Analysis of land cover change around BBS routes (NLCD 2011 database). United States Geological Survey through Desert Southwest CESU, Joseph Veech (PI), \$97,000, June 2014 – May 2015.

*Possible role of invasive Short-tailed Mongoose (*Herpestes javanicus*) in sustaining Cattle Fever Tick populations in Puerto Rico.* USDA, Ivan Castro-Arellano (PI), Joseph Veech (co-PI), \$101,000, Jan. 2014 – Dec. 2015.

Edwards Aquifer Habitat Conservation Plan: Comal Springs Riffle Beetle and Fountain Darter, Edwards Aquifer Authority and BioWest, Ed Oborny (PI), Tim Bonner and Joseph Veech (co-PIs), \$170,000. Nov. 2013 – Dec. 2014.

Winter Ecology of Sprague's Pipit in Texas. USFWS Section 6 via subcontract with the Nature Conservancy, Rich Kostেকে (PI), Joseph Veech (co-PI), \$75,000 (TxState portion \$26,660). Jan. 2014 – Dec. 2014

Surveys of non-game wildlife species inhabiting rangeland in the Carrizo Sands of central and south Texas. Davidson Foundation, Joseph Veech (PI), Randy Simpson (co-PI), \$46,620, Oct. 2011 – Dec. 2013.

Bird responses to land use changes. USDA - Natural Resources Conservation Service, Joseph Veech (PI), \$37,000, Sept. 2005 – Dec. 2006.

Theory, statistics, and software for the additive partitioning of species diversity across multiple spatial scales. National Science Foundation, Thomas O. Crist (PI), Joseph Veech (co-PI), \$105,000. August 2003 – July 2006.

Granivorous rodents and apparent competition among plant species (dissertation research). Welder Wildlife Foundation, \$25,000, 1998 – 1999.

RECENT INVITED PRESENTATIONS

February 2021 Rolling Plains Chapter of Texas Master Naturalist
 November 2020 Texas Parks and Wildlife Department's Webinar Diversity Series
 October 2019 Angelo State University, Department of Biology

COURSES TAUGHT

Population Biology Seminars (BIO 7120) – *Species on the move: from individual dispersal to range dynamics, Naturalized species: good, bad, or neutral, Habitat ecology, and Species reintroduction*

Habitat Ecology (BIO 4388/5388)

Population and Conservation Biology (BIO 7428)

Biological Resources: Conservation and Planning (BIO 4319)

Bird Conservation and Management (BIO 4350I)

Organismal Biology (BIO 1431, 1331)

Ecology (Miami University 2002 and University of Northern Colorado 2006 - 2008)

Scientific Writing (University of Northern Colorado 2004 - 2008)

GRADUATE STUDENTS

Aaron Rinker, M.S. 2008, University of Northern Colorado

Bindu Viswanathan, M.S. 2010

Erin Feichtinger, M.S. 2012

Doug Phillips, M.S. 2012, co-advisor w/Randy Simpson

Katherine Cummings, M.S. 2013

Matt Haverland, M.S. 2014

Stephanie Miller, M.S. 2014

Suzanne Whitney, Ph.D. 2015

John Muller, M.S. 2015

Laura Bliss, M.S. 2016

Alyssa Fink, M.S. 2017

Caley Zuzula, M.S. 2017

Silas Ott, M.S. 2017, co-advisor w/Randy Simpson

Skylar Flaska, M.S. 2018

Grady Terry, M.S., 2019, co-advisor w/Jim Ott (in progress)

Jared Haney, M.S., 2019

Daniel Guerra, M.S., 2020

Nick Johns, M.S., 2021

Joseph Plappert, M.S., 2021

Carli Martinez, M.S., 2022

Christian Guajardo, M.S., 2023

Danielle Gay, M.S., 2023

Erin Berkenkamp, M.S., 2024

Elissa Williams, M.S., 2024

Daniel Guerra, Ph.D. (expected 2024)

Dawn Houston, Ph.D. (expected 2025)
 Drew Berdo, M.S. (expected 2025)
 Sarah Khayyatzadeh, M.S. (expected 2025)
 Tanner Shepard, M.S. (in progress)
 Tate Taylor, M.S. (in progress)
 Maya Folkes, M.S. (in progress)

PROFESSIONAL RECOGNITION

Top 2% World's Most Influential Scientists, Stanford University and Elsevier Publishing, <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/7>. On the career list and the 2023 list.

Alpha Chi Honor Society, 2020, recognized as a Favorite Professor

Excellence in Scholarly/Creative Activities, 2018, Associate/Full Professor, College of Science and Engineering, Texas State University

Visiting Scientist Fellowship, 2015, TUBITAK (Turkish equivalent of NSF), Sponsor: Dr. Okan Kulkoyluoglu, Abant İzzet Baysal University (*award could not be accepted*)

Manuscript Reviewer of the Year for 2015-16 for *Global Ecology and Biogeography* (IF = 5.94), One of six people to receive the award selected from a long list of dozens; each year about 1,000 people review for the journal. Official recognition at "*In the company of greatness: announcing the best reviewers and best associate editors*" GEB 25:1526-1527.

SERVICE

Reviewer for USFWS Species Status Assessment for Texas kangaroo rat (*Dipodomys elator*) (Fall 2020)

Associate Editor, *Journal of Biogeography* (December 2010 – January 2018)

External manuscript reviewer (6 – 8 manuscripts per year).

Have reviewed for the following journals: *Acta Oecologica*, *Ambio*, *American Naturalist*, *American Midland Naturalist*, *Behavioral Ecology*, *Biological Conservation*, *Biotropica*, *Canadian Field Naturalist*, *Condor*, *Conservation Biology*, *Diversity and Distributions*, *Ecological Entomology*, *Ecological Monographs*, *Ecology*, *Ecology Letters*, *Ecography*, *Florida Field Naturalist*, *Global Ecology and Biogeography*, *Global Ecology and Conservation*, *Herpetologica*, *Ibis*, *Journal of Animal Ecology*, *Journal of Applied Ecology*, *Journal of Biogeography*, *Journal of Ecology*, *Journal of Field Ornithology*, *Journal of Mammalogy*, *Journal of Vegetation Science*, *Journal of Wildlife Management*, *Landscape Ecology*, *Marine Ecology Progress Series*, *Marine Biodiversity*, *Methods in Ecology and Evolution*, *Oecologia*, *Oikos*, *PeerJ*, *PLoS ONE*, *Southwestern Naturalist*, *Western North American Naturalist*

External grant reviewer for NSF and USDA on a few occasions

Biology Department Seminar Committee (2008 – 2012, 2015 - 2021)

Member of search committee for wildlife biology faculty member (Fall 2010, Fall 2024)

Statistical consulting for department graduate students by appointment

Department website developer and maintainer

Member of College Review Group (2024) – tenure and promotion decisions at college level
