

Heather L. Bateman

College of Integrative Sciences and Arts
Faculty of Polytech Science and Mathematics
Arizona State University
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EDUCATION

PhD Biology, University of New Mexico, Albuquerque, NM (2007)
MS Biology, Eastern Washington University, Cheney, WA (2000)
BS Ecology, Idaho State University, Pocatello, ID (1998)

ACADEMIC and PROFESSIONAL APPOINTMENTS

2014- Associate Professor, Faculty of Science and Mathematics, College of Integrative Sciences and Arts, Arizona State University

2014- Senior Global Futures Scholar, Julie Ann Wrigley Global Futures Laboratory, Arizona State University

2016 Visiting Scholar, Sabbatical Leave (Spring semester) with the Natural Resource Research Center, USDA Forest Service, Fort Collins, CO

2008–2014 Assistant Professor, Arizona State University
Human and Environmental Systems, College of Technology and Innovation
Morrison School of Agribusiness, College of Technology and Innovation
Applied Sciences and Mathematics, College of Technology and Innovation
Applied Biological Sciences, College of Applied Arts and Sciences

2007–2008 Postdoctoral Researcher, Wildlife Biologist (GS-9), Rocky Mountain Research Station, USDA Forest Service, Missoula, MT

2002–2007 Graduate Teaching Assistant, Department of Biology University of New Mexico, Albuquerque, NM

2001 Adjust Faculty, Department of Biology, Eastern Washington University, Cheney, WA

1998–2000 Graduate Teaching Assistant, Department of Biology, Eastern Washington University, Cheney, WA

PUBLICATIONS

Annotations: underline/double underline is graduate/undergraduate advisee, dotted is post-doctoral fellow,
*corresponding author when not listed as first, author order of contribution

JOURNAL ARTICLES

54. **Bateman, H.L.**, S.B. Riddle, and E.M. Cubley. 2021. Using bioacoustics to examine vocal phenology of Neotropical migratory birds on a Wild and Scenic River in Arizona. *Birds* 2(3): 261-274 doi.org/10.3390/birds2030019
53. Andrade, R., **H.L. Bateman***, (co-leads), K.L. Larson, C.J. Herzog, and J.A. Brown. 2021. To the rescue – Evaluating the social-ecological patterns for bird intakes. *Urban Ecosystems* doi.org/10.1007/s11252-021-01135-1
52. Baruch, E., **H.L. Bateman**, D. Lytle, D.M. Merritt, and J. Sabo. 2021. Integrated ecosystems: linking food webs through reciprocal resource reliance. *Ecology* e03450. doi.org/10.1002/ecy.3450

51. **Bateman, H.L.**, J.A. Brown, K.L. Larson, R. Andrade, and B. Hughes. 2021. Unwanted residential wildlife: Evaluating social-ecological patterns for snake removals. *Global Ecology and Conservation* e01601 doi.org/10.1016/j.gecco.2021.e01601
50. Albuquerque, F.S., **H.L. Bateman**, C. Boheme, D.A. Allen, and L. Cayuela. 2021. Variation in temperature, precipitation, and vegetation productivity drive changes in seasonal variation of bird diversity in an urban desert landscape. *Land* 10(5):480 doi.org/10.3390/land10050480
49. Herzog, C.J., and **H.L. Bateman***. 2021. Using trail cameras to document meso and large mammal use of native and non-native riparian forest types in southeastern Arizona. *Western North American Naturalist* 81:71–86.
48. Andrade, R., J. Franklin, K.L. Larson, C.S. Swan, S.B. Lerman, **H.L. Bateman**, P.S. Warren, and A. York. 2020. Predicting the assembly of novel communities in urban ecosystems. *Landscape Ecology* 36:1-15. doi.org/10.1007/s10980-020-01142-1
47. Brown, J.A., K.L. Larson, S.B. Lerman, D.L. Childers, R. Andrade, **H.L. Bateman**, S.J. Hall, P.S. Warren, and A. York. 2020. Influences of environmental and social factors on perceived bio-cultural services and disservices. *Frontiers in Ecology and Evolution* 8:366. doi.org/10.3389/fevo.2020.569730
46. Riddle, S.B., **Bateman, H.L.**, Herzog, C. and M. Ryan. 2020. Post-fire breeding behavior in Couch's spadefoot toad along the San Pedro River, Arizona. *Western North American Naturalist* 80(4):531-535.
45. Cubley, E.S., **H.L. Bateman*** (co-leads), S.B. Riddle, C. Holmquist-Johnson, and D.M. Merritt. 2020. Predicting bird guilds using vegetation composition and structure on a Wild and Scenic River in Arizona. *Invited issue Physical and Biotic Drivers of Change in Riparian Ecosystems. Wetlands* 40(6):1829-1842. doi.org/10.1007/s13157-020-01371-9
44. Cubley, E.S., **H.L. Bateman**, D.M. Merritt, and D. Cooper. 2020. Using vegetation guilds to predict bird habitat characteristics in riparian areas. *Invited issue Physical and Biotic Drivers of Change in Riparian Ecosystems. Wetlands* 40:1843–1862. doi.org/10.1007/s13157-020-01372-8
43. **Bateman, H.L.** and D.M. Merritt. 2020. Complex riparian habitats predict reptile and amphibian diversity. *Global Ecology and Conservation* 22, 10.1016/j.gecco.2020.e00957
42. Riddle, S.B., and **H.L. Bateman***. 2020. Habitat and soil associations of a fossorial toad in a Sonoran Desert riparian forest. *Journal of Arid Environments* 181:104239.
41. **Bateman, H.L.**, and S.B. Riddle. 2020. Reptile community responses to native and non-native riparian forests and disturbance along two rivers in Arizona. *River Research and Applications* 2020:1-11.
40. Allen, D.C., **H.L. Bateman**, P.S. Warren, F.S. Albuquerque, S. Arnett-Romero, and B. Harding. 2019. Long-term effects of land-use change on bird communities depend on spatial scale and land-use type. *Ecosphere* 10(11), e02952.
39. Warren, P.S., S.B. Lerman, K. Larson, R. Andrade, and **H.L. Bateman**. 2019. The more things change: Species losses detected in Phoenix despite stability in bird-socioeconomic relationships. *Ecosphere* 10(3), e02624.
38. Jackson, L.N. and **H.L. Bateman***. 2018. Differing ectoparasite loads, sexual modes, and abundances of whiptail lizards from native and non-native habitats. *Herpetological Conservation and Biology* 13(1):294-301.
37. Andrade, R., **H.L. Bateman**, J. Franklin, and D.C. Allen. 2018. Waterbird community composition, abundance, and diversity along an urban gradient. *Landscape and Urban Planning* 170:103-111.
36. Sprague, T.A. and **H.L. Bateman***. 2018. Influence of seasonality and gestation on habitat selection by northern Mexican gartersnakes (*Thamnophis eques megalops*). *PloS one*. 13(1):e0191829.

35. Nagler, P.L., U. Nguyen, **H.L. Bateman**, C.J. Jarchow, E.P. Glenn, W.J. Waugh, and C. van Riper III. 2018. Northern tamarisk beetle (*Diorhabda carinulata*) and tamarisk (*Tamarix* spp.) interactions in the Colorado River Basin. *Restoration Ecology* 26:348-359.
34. Switalski, A., and **H.L. Bateman***. 2017. Anthropogenic water sources and the effects on Sonoran Desert small mammal communities. *PeerJ* 5:e4003.
33. Kang, Y., D. Bai, L. Tapia, and **H.L. Bateman**. 2017. Dynamical effects of biocontrol on the ecosystem: Benefits or harm? *Applied Mathematical Modelling* 51:361-385.
32. Andrade, R., **H.L. Bateman**, Y. Kang. 2017. Seasonality and land cover characteristics drive aphid dynamics in an arid city. *Journal of Arid Environments* 144:12-20.
31. Banville, M.J., **H.L. Bateman***, S.R. Earl, and P.S. Warren. 2017. Decadal declines in bird abundance and diversity in urban riparian zones. *Landscape and Urban Planning* 159:48-61.
30. Bridges, A.E., **H.L. Bateman***, A. Owens, C. Jones, and W. Miller. 2016. Microhabitat characteristics of juvenile Sonoran Desert tortoise (*Gopherus morafkai*). *Chelonian Conservation and Biology* 15(2):219-230.
29. Mosher, K.R. and **H.L. Bateman***. 2016. The effects of riparian restoration following saltcedar (*Tamarix* spp.) biocontrol on habitat and herpetofauna along a desert stream. *Restoration Ecology* 24(1):71-80.
28. **Bateman, H.L.**, J.C. Stromberg, M.J. Banville, E. Makings, B. Scott, A. Suchy, and D.M. Wolkis. 2015. Novel water sources restore plant and animal communities along an urban river. *Ecohydrology* 8(5):792-811.
27. **Bateman, H.L.**, C. Hopkins, and K.R. Mosher. 2015. *Sceloporus uniformis* (Yellow-backed Spiny Lizard) Tail Regeneration. *Herpetological Review* 46(1):95.
26. Rudd, B.T. and **H.L. Bateman***. 2015. Reptile use of trails in the Phoenix mountain parks. *Herpetological Review* 46(1):15-17.
25. **Bateman, H.L.**, D.M. Merritt, E.P. Glenn, and P. L. Nagler. 2015. Indirect effects of biocontrol of an invasive riparian plant (*Tamarix*) alters habitat and reduces herpetofauna abundance. *Biological Invasions* 17(1): 87-97.
24. Beebe, S.R.H., A. Switalski, **H.L. Bateman***, and K.D. Hristovski. 2014. Burrowing owl (*Athene cunicularia*) habitat associations in agriculture fields and along canal trails in Phoenix, Arizona *Journal of the Arizona-Nevada Academy of Science* 45(2): 52-58.
23. Nagler P.L., S. Pearlstein, E.P. Glenn, T. Brown, **H.L. Bateman**, D.W. Bean, and K.R. Hultine. 2014. Rapid dispersal of saltcedar (*Tamarix* spp.) biocontrol beetles (*Diorhabda carinulata*) on a desert river detected by phenocams, MODIS imagery and ground observations. *Remote Sensing of the Environment* 140: 206-219.
22. Mosher, K.R. and **H.L. Bateman***. 2014. *Sceloporus uniformis* (Yellow-backed Spiny Lizard). Life History. *Herpetological Review* 45(4): 700-701.
21. **Bateman, H.L.**, T.E. Lindquist, R. Whitehouse, and M.M. Gonzalez. 2013. Mobile app for wildlife capture-mark-recapture data collection and query. *The Wildlife Society Bulletin* 37(4): 838-845.
20. **Bateman, H.L.**, P.L. Nagler, and E.P. Glenn. 2013. Plot- and landscape-level changes in climate and vegetation following defoliation of exotic saltcedar (*Tamarix* sp.) from the biocontrol agent *Diorhabda carinulata* along a stream in the Mojave Desert (USA). *Journal of Arid Environments* 89(2013):16-20.
19. **Bateman, H.L.**, and A. Chung-MacCoubrey. 2013. *Aspidoscelis exsanguis* (Chihuahuan Spotted Whiptail), *Aspidoscelis neomexicana* (New Mexico Whiptail), *Aspidoscelis uniparens* (Desert Grassland Whiptail). Bifurcated tails. *Herpetological Review* 44(4):663.

18. Nielsen, D.P., and **H.L. Bateman***. 2013. Population metrics and use of saltcedar (*Tamarix*) habitats by common side-blotched lizards (*Uta stansburiana*). *Southwestern Naturalist* 58(1):28–34.
17. Merritt, D.M., and **H.L. Bateman**. 2012. Linking streamflow and groundwater to avian habitat in a desert riparian system. *Ecological Applications* 22(7):1973–1988.
16. **Bateman, H.L.**, D.M. Merritt, and J.B. Johnson. 2012. Special Issue: Riparian forest restoration: conflicting goals, trade-offs, and measures of success. *Sustainability* 4(9):2334–2347.
15. **Bateman, H.L.**, and S.M. Ostoja. 2012. Effects of invasive woody plants on native lizard and small mammal abundance, diversity, and habitat associations in arid-land riparian woodlands. *Animal Conservation* 15(3):294–304.
14. Banville, M.J., and **H.L. Bateman***. 2012. Urban and wildland herpetofauna communities and riparian microhabitats along the Salt River, Arizona. *Urban Ecosystems* 15(2):473–488.
13. Gezon, C. and **H.L. Bateman***. 2012. *Sceloporus tristichus* (Plateau Fence Lizard) and *Sceloporus magister* (Desert Spiny Lizard) predation. *Herpetological Review* 43(1):141.
12. **Bateman, H.L.** and A. Chung-MacCoubrey. 2012. Growth and activity of *Sceloporus cowlesi* (Southwestern Fence Lizard). *Herpetological Review* 43(1):39–41.
11. **Bateman, H.L.** and A. Chung-MacCoubrey. 2011. *Plestiodon obsoletus* (Great Plains Skink) Life History. *Herpetological Review* 42(2):276–277.
10. **Bateman, H.L.**, T.L. Dudley, D.W. Bean, S.M. Ostoja, K.R. Hultine, and M.J. Kuehn. 2010. Perspective: A river system to watch: documenting the effects of saltcedar (*Tamarix* spp.) biocontrol in the Virgin River Valley. *Ecological Restoration* 28:405–410.
9. **Bateman, H.L.**, H.L. Snell, A. Chung-MacCoubrey, and D.M. Finch. 2010. Growth, activity, and survivorship from three sympatric parthenogenic whiptails (Family Teiidae). *Journal of Herpetology* 44:301–307.
8. **Bateman, H.L.** and D. Nielsen. 2010. Geographic distribution: *Leptotyphlops humilis* (Western Threadsnake). *Herpetological Review* 41(4):516–517.
7. **Bateman, H.L.**, A. Chung-MacCoubrey, H.L. Snell, and D.M. Finch. 2009. Abundance and species richness of snakes along the Middle Rio Grande riparian forest in New Mexico. *Herpetological Conservation and Biology* 4:1–8.
6. Chung-MacCoubrey, A., **H.L. Bateman***, and D.M. Finch. 2009. Captures of Crawford's gray shrews (*Notiosorex crawfordi*) along the Rio Grande in central New Mexico. *Western North American Naturalist* 69:260–262.
5. **Bateman, H.L.**, A. Chung-MacCoubrey, and H.L. Snell. 2008. Impact of non-native plant removal on lizards in riparian habitats in the southwestern United States. *Restoration Ecology* 16(1):180–190.
4. **Bateman, H.L.**, A. Chung-MacCoubrey, D.M. Finch, H.L. Snell, and D.L. Hawksworth. 2008. Impacts of non-native plant removal on vertebrates along the Middle Rio Grande (New Mexico). *Ecological Restoration* 26(3):193–195.
3. **Bateman, H.L.**, M.J. Harner, and A. Chung-MacCoubrey. 2008. Abundance and reproduction of toads (*Bufo*) along a regulated river in the southwestern United States: Importance of flooding in riparian ecosystems. *Journal of Arid Environments* 72(9):1613–1619.
2. **Bateman, H.L.** and M.A. O'Connell. 2006. Effects of prescribed burns on wintering cavity-nesting birds. *Northwest Science* 80(4):283–291.
1. **Bateman, H.L.** 2001. Boreal owls, habitat preferences for artificial nest boxes. *Bluebird, Journal of the North American Bluebird Society* 33(4):12–13.

CURATED DATA SETS

5. **Bateman, H.** 2021. Long-term monitoring of reptiles and ground arthropods near the Phoenix-Mesa Gateway Airport, Mesa, Arizona, USA, ongoing since 2010 ver 2. Environmental Data Initiative. <https://doi.org/10.6073/pasta/02fd4debccdc8ad4c0f72d6b48db7bf5>
4. Brown, J., K. Larson, S. Lerman, D. Childers, R. Andrade, **H. Bateman**, S. Hall, P. Warren, and A. York. 2021. Urban Ecological Infrastructure (UEI) in the greater Phoenix, Arizona metropolitan area and surrounding Sonoran desert region (2010-2017) ver 1. Environmental Data Initiative. <https://doi.org/10.6073/pasta/1e54516f04c7ef0b5c304a6f73552240>
3. Shochat, E., M. Katti, D. Childers, and **H. Bateman**. 2019. Point-count bird censusing: long-term monitoring of bird abundance and diversity in central Arizona-Phoenix, ongoing since 2000. Environmental Data Initiative.
2. **Bateman, H.** and N. Grimm. 2018. CAP LTER: long-term monitoring of herpetofauna along the Salt River in and near the greater Phoenix metropolitan area, ongoing since 2012 (Reformatted to ecomDP Design Pattern). Environmental Data Initiative.
1. **Bateman, H.**, Childers, D. and Warren, P., 2018. Point-count bird censusing: long-term monitoring of bird abundance and diversity along the Salt River in the greater Phoenix metropolitan area, ongoing since 2013. Environmental Data Initiative.

BOOK CHAPTERS

2. **Bateman, H.L.**, E.H. Paxton, and W.S. Longland. 2013. Chapter 10. *Tamarix* as Wildlife Habitat. Pages 168-188 in A. Sher and M. Quigley (eds.), *Tamarix: Passenger vs. driver of ecological change*. Oxford University Press.
1. **Bateman, H.L.** and E.H. Paxton. 2010. Saltcedar and Russian olive interactions with wildlife. Pages 49-63 in P. B. Shafroth, C. A. Brown, and D. M. Merritt (eds.), *Saltcedar and Russian Olive Control Demonstration Act Science Assessment*. U.S. Geological Survey, Scientific Investigations Report 2009-5247. Reston, VA.

LAB MANUALS

2. O'Connell, M.A. and **H.L. Bateman**. 2007. General Vertebrate Zoology Lab Manual for the University of New Mexico, 2nd edition. Pearson Custom Publishing. Boston, MA. 92 p.
1. O'Connell, M.A. and **H.L. Bateman**. 2005. General Vertebrate Zoology Lab Manual for the University of New Mexico. Pearson Custom Publishing. Boston, MA. 87 p.

TECHNICAL REPORTS

4. **Bateman, H.L.** 2019. Herpetofauna and riparian habitats at the confluence of the Gila and San Pedro Rivers, Phase I. Final Report. Submitted to USDI Bureau of Reclamation, Phoenix Office. Oct 2019.
3. D.M. Merritt, **H.L. Bateman**, and C.D. Peltz. 2010. Instream flow requirements for maintenance of wildlife habitat and riparian vegetation: Cherry Creek, Tonto National Forest, Arizona. Submitted to Arizona Division of Water Resources.
2. Chung-MacCoubrey, A.L. and **H.L. Bateman**. 2006. Chapter 4: Bosque restoration effects on bats and herpetofauna. *In* Effects of fuel reduction and exotic plant removal on vertebrates, vegetation and water resources in the Middle Rio Grande, New Mexico Annual Report 2005. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Albuquerque, NM.
1. Chung-MacCoubrey, A.L. and **H.L. Bateman**. 2006. Herpetological Communities of the Middle Rio Grande Bosque: What Do We Know, What Should We Know, and Why? *In* Aguirre-Bravo, C.; Pellicane, Patrick J.; Burns, Denver P.; and Draggan, Sidney, Eds. 2006. Monitoring Science and Technology Symposium: Unifying Knowledge for Sustainability in the Western Hemisphere Proceedings RMRS-P-42CD. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. p. 57-66.

TEACHING

UNDERGRADUATE COURSES

- 2009–2021 **Applied Herpetology** (ABS 472), 3 credits, Arizona State University
Developed first Herpetology course taught on the ASU Polytechnic campus
Lecture, day trips, and weekend overnight field trips, engage with wildlife professionals
- 2010–2021 **Applied Ornithology** (ABS 473), 3 credits, Arizona State University
Lecture, day trips, and weekend overnight field trips, engage with wildlife professionals
- 2011–2021 **Vertebrate Adaptations** (ABS 355), 3 credits, Arizona State University
Lecture on evolution, classification, diversity, and specializations
- 2010 **Mechanics of Biology** (ABS 498), 3 credits, Arizona State University
Co-developed first biomechanics course taught on the ASU Polytechnic campus
- 2009–2010 **General Biology I** (BIO 187), 3 credits, Arizona State University
Co-taught introductory biology course for majors, focus on organisms to communities
- 2008 **Riparian & Wetland Ecology** (ABS 433), 3 credits, Arizona State University
Co-taught components of riparian ecology and management of these ecosystems
- 2001 **Biological Investigations** (BIO 270), 3 credits, Eastern Washington University
Lecture on basic principles of hypotheses testing, research design, data analysis, scientific writing

GRADUATE COURSES

- 2010–2021 **Wildlife Dynamics** (ABS 555), 3 credits, Arizona State University
Developed first graduate-level course on multivariate analyses, population and community ecology, intensive workshop-style application of analyses

STUDENT MENTORING

GRADUATE ADVISOR

- Expected 2023 Brett Montgomery, M.S., Arizona State University, Applied Biological Sciences
Thesis: Habitat occupancy of Arizona Toad
- Expected 2023 Annika Enloe, M.S., Arizona State University, Applied Biological Sciences
Thesis: Urban snake occupancy and social-ecological predictors
- 2021 Brittany Allen, M.S., Arizona State University, Applied Biological Sciences
Thesis: Effects of urban heat island on rodents in Phoenix
- 2020 Jennifer Flores, M.S., Arizona State University, School of Life Sciences (Co-advisor with Emilia Martins) Thesis: *Sceloporus* species occupancy and habitat selection in central Mexico
- 2019 Cheyenne Herzog, M.S. student, Arizona State University, Applied Biological Sciences
Thesis: Responses of mammals to native and non-native riparian forest types in Southeastern Arizona
- 2018 Sidney Riddle, M.S., Arizona State University, Applied Biological Sciences
Thesis: The effects of aridification and mesquite encroachment on riparian herpetofauna of the lower San Pedro River, Arizona
- 2017 Tiffany Sprague, M.S., Arizona State University, Applied Biological Sciences
Thesis: Microhabitat selection of the endangered Northern Mexican gartersnake (*Thamnophis eques*)
- 2016 Riley Burnette, M.S. Arizona State University, Applied Biological Sciences
Thesis: Habitat model of winter waterfowl along the urban Salt River

- 2016 Shaneen Beebe, M.S., Arizona State University, Environmental Resource Management (Co-advisor with Kiril D. Hristovski) Applied Project: Heavy metal content of feathers collected from urban Burrowing Owls (*Athene cunicularia*)
- 2015 Linda Ramirez, M.S., Arizona State University
Applied Project: Natural resource baseline inventory for Barnes Property
- 2014 Kent Mosher, M.S., Arizona State University, Applied Biological Sciences
Thesis: Effect of riparian restoration and biocontrol on herpetofauna along the Virgin River
- 2013 Aaron Switalski, M.S., Arizona State University, Applied Biological Sciences
Thesis: Effects of artificial water sources on small mammal populations on the Barry M. Goldwater Range
- 2012 Andy Bridges, M.S., Arizona State University, Applied Biological Sciences
Thesis: Sonoran Desert tortoise (*Gopherus morafkai*) growth and juvenile habitat selection at a long-term study site in central Arizona
- 2011 Melanie Banville, M.S., Arizona State University, Applied Biological Sciences
Thesis: Herpetofauna and riparian microhabitat of urban and wildland reaches along the Salt River
- 2011 Danny Nielsen, M.S., Arizona State University, Applied Biological Sciences
Thesis: Population dynamics of side-blotched lizard (*Uta stansburiana*) in saltcedar (*Tamarix* spp.) vs. native riparian habitat along the Virgin River

UNDERGRADUATE ADVISOR

- Expected 2021 Alistair Bergstedt, B.S. student, Arizona State University, Research: Effects of wildfire on cavity-nesting birds in the Sonoran Desert
- 2021 Caroline Miranda, B.S. student, Arizona State University, Barrett Honor's College
Honor Thesis: Perceptions of risks of snakes vs observations of snakes in residential areas
- 2020 Monica Villa, B.S. student, Arizona State University, WASEO student, Research:
Availability of antivenom in rural and urban vet clinics
- 2020 Johnny Garcia, B.S. student, Arizona State University, Barrett Honor's College
Honor Thesis: Art and biology of feral cats
- 2017 Lauren Jackson, B.S., Arizona State University, Applied Biological Sciences
Research: Ectoparasite loads on whiptail lizards in native and non-native habitats
- 2015 Brett Montgomery, B.S., Arizona State University, Barrett Honor's College
Honor Thesis: Airport safety and wildlife collisions
- 2014 Melanie Picciano, B.S., Arizona State University, Barrett Honor's College
Honor Thesis: Timing of biocontrol agent, *Diorhabda carinulata* in lizard diet
- 2014 Beau Rudd, B.S., Arizona State University, Applied Biological Sciences
Research: Effects of trail usage on reptile abundance and richness in Phoenix Regional Mountain Parks
- 2012 Victor Jimenez, B.S., Arizona State University, Applied Biological Sciences
Research: Diet analyses of native lizards exposed to the biocontrol agent, *Diorhabda carinulata*
- 2012 Shaneen Beebe, B.S., Arizona State University, Environmental Technology & Mngmt
Research: Burrowing owl (*Athene cunicularia*) habitat selection in Phoenix

- 2012 Rachael Cernetic, B.S., Arizona State University, Applied Biological Sciences
Research: How temperature and microhabitat relate to reptile occurrence during road surveys in a Sonoran Desert community
- 2011 Jessica Richardson, B.S., Arizona State University, Barrett Honor's College
Honor Thesis: Whiptail (*Aspidoscelis*) body size and reproductive output
- 2010 Olivia Lettsome, B.S., Arizona State University, Applied Biological Sciences
Research: Comparison of riparian avifauna and vegetation along an urban-rural gradient
- 2009 Nick Vandehei, B.S., Arizona State University, Applied Biological Sciences
Research: Novelty responses of three bird species in a suburban habitat

POSTDOCTORAL

- 2019-2021 Jeff Brown, Ph.D. Arizona State University, CAP LTER Postdoctoral Researcher (co-advise with mentoring team of five faculty)

PRESENTATIONS (*invited)

- 2021 Talk, *Joint Annual Meeting AZ/NM Chapters of The Wildlife Society and AFS*, Virtual
- 2021 Talk, *International Urban Wildlife Conference*, Virtual
- 2020 *Organized Oral Symposium and Panel Discussion, *Ecological Society of America*, Virtual
- 2020 *Symposium, *The Wildlife Society*, Virtual
- 2020 Video/Virtual Field Trip, National Science Foundation Site Review, Virtual
- 2020 Talk, *Remote - The Connected Faculty Summit*, Virtual
- 2020 Talk, *Joint Annual Meeting AZ/NM Chapters of The Wildlife Society and AFS*, Prescott, AZ
- 2019 *Symposium, *The Wildlife Society*, Reno, NV
- 2019 *Symposium, *Biodiversity of Cities Symposium*, University of North Carolina, Chapel Hill, NC.
- 2019 *Seminar, *School of Natural Resources and the Environment*, University of Arizona, Tucson, AZ
- 2019 Talk, *Wild and Scenic Verde River Science Team Meeting*, USDA Forest Service, Mesa, AZ
- 2019 Talk, *American Ornithological Society*, Anchorage, AK
- 2019 Talk, *Joint Annual Meeting AZ/NM Chapters of The Wildlife Society and AFS*, Albuquerque, NM
- 2019 Talk, *CAP LTER Annual Symposium*, Scottsdale, AZ
- 2018 *Seminar, *Life Sciences Café*, Arizona State University, Tempe, AZ
- 2018 Talk, *Biology of Lizards Conference*; Rodeo, NM
- 2018 Talk, *Southwest Partners in Amphibian and Reptile Conservation*, Oklahoma City, OK
- 2017 *Symposium, *The Wildlife Society*, Albuquerque, NM
- 2017 *Talk, *Science and Management for the Colorado Plateau and Southwest Region*, Flagstaff, AZ
- 2016 *Seminar, *Science and Mathematics*, College of Integrative Sciences and Arts, Mesa, AZ
- 2016 *Seminar, *Institute for Water & Environment*, Florida International University, Miami, FL
- 2016 *Talk, Bureau of Land Management, Arizona State Director Raymond Suazo, Phoenix, AZ
- 2016 Talk, *The Wildlife Society*, Raleigh, NC
- 2015 *Webinar, *Desert Landscape Conservation Cooperative*, Virtual
- 2015 *Seminar, *Arizona Game and Fish Department*, Phoenix, AZ
- 2015 Poster, *Society for Ecological Restoration International Conference*; Manchester, United Kingdom
- 2014 *Seminar *Desert Botanical Gardens*, Phoenix, AZ
- 2014 *Symposium *North American Conference of Conservation Biology*, Missoula, MT

2014 Talk, *The Wildlife Society*, Pittsburg, PA

2014 Talk, *Ecological Society of America Annual Meeting*; Sacramento, CA

2014 Poster, *CAP LTER Annual Symposium*, Scottsdale, AZ

2013 *Symposium *The Wildlife Society*, Milwaukee, WI

2013 *Talk *The Arizona Riparian Council*, Scottsdale, AZ

2013 Talk, *American Geophysical Union Annual Fall Meeting*, San Francisco, CA

2013 Talk, *Tamarisk Coalition*, Grand Junction, CO

2013 Talk, *Joint Annual Meeting AZ/NM Chapters of The Wildlife Society and AFS*, Albuquerque, NM

2012 *Seminar *Department of Applied Sciences and Mathematics*, Arizona State University, Mesa, AZ

2012 Poster, *TiE Arizona and College of Technology and Innovation, Faculty Mentor Awards*, Tempe, AZ

2012 Poster, *The Wildlife Society*, Portland, OR

2012 Poster, *Long Term Ecological Research, All Scientists Meeting*, Estes Park, CO

2012 Talk, *Joint Annual Meeting AZ/NM Chapters of The Wildlife Society and AFS*, Phoenix, AZ

2011 Talk, *The Wildlife Society*, Waikoloa, HI

2011 Talk, *Current Research on Herpetofauna of the Sonoran Desert*, Tucson, AZ

2011 Talk, *Landscape Ecology of Tamarisk Research Conference*, Tucson, AZ

2011 Talk, *Joint Annual Meeting AZ/NM Chapters of The Wildlife Society and AFS*, Pinetop, AZ

2010 *Seminar *Department of Integrated Natural Sciences*, Arizona State University, Glendale, AZ

2010 *Talk, *Tamarisk Coalition*, Grand Junction, CO

2010 Talk, *The Wildlife Society*, Snowbird, UT

2010 Talk, *Ecological Society of America* Pittsburgh, PA

2010 Talk, *Joint Annual Meeting AZ/NM Chapters of The Wildlife Society and AFS*, Flagstaff, AZ

2009 *Talk, *CAP LTER All-Scientists Meeting*, Tempe, AZ

2009 *Seminar, *Department of Biological Sciences*, Macquarie University, Sydney, Australia

2009 *Panel Member, *Tamarisk and Russian Olive Research Conference*, Reno, NV

2009 Talk, *Society for Ecological Restoration*, Perth, Australia

2009 Talk, *Tamarisk and Russian Olive Research Conference*, Reno, NV

2008 *Talk, *Southwest Vegetation Management Association*, Flagstaff, AZ

2008 Talk, *Joint Meeting of Ichthyologists and Herpetologists*, Montréal, Canada

2007 Talk, *Ecological Society of America*, San Jose, CA.

2007 Talk, *Joint Annual Meeting AZ/NM Chapters of The Wildlife Society and AFS*, Albuquerque, NM

2006 Talk, *Tamarisk Research Conference*, Fort Collins, CO

2006 Talk, *Joint Annual Meeting AZ/NM Chapters of The Wildlife Society and AFS*, Flagstaff, AZ

2000 Talk, *Ecological Society of America*, Snowmass, UT

2000 Poster, *Society of Conservation Biology Annual Meeting*, Missoula, MT

2000 Talk, *Northwest Scientific Association*, Moscow, ID

1999 Poster, *Ecological Society of America*, Spokane, WA

1999 Talk, *Northwest Scientific Association*, Tacoma, WA

SERVICE

SERVICE to the INSTITUTION

University Committee

- 2018 – current University Graduate Council
- 2016 – 2017 University General Studies Council
- 2013 – 2014 University Undergraduate Standards Committee

College Committees

- 2020 – current Dean Search Committee
- 2016 – 2017 Developed a Certificate in Wildlife Management
- 2014 Dean Search Committee
- 2012 – 2014 Student Standards Committee
- 2011 – 2012 Undergraduate Research Committee, (Chair 2012)
- 2008 – 2011 ASU Polytechnic Junior Faculty Writing Group Member

Department/Unit Committees

- 2020 – current Diversity and Inclusion Committee
- 2017 – 2020 Personnel Committee (Chair in 2019–2020)
- 2017 – current Coordinator of Faculty Mentoring
- 2018 – 2019 Faculty Writing Group, Chair
- 2017 – current Degree Assessment Reporting, Compiler
- 2013 – current Advisor for student WRSA club (includes student chapters for The Wildlife Society, American Fisheries Society, and Audubon)
- 2019 Lecturer Faculty Search Committee, Chair
- 2017 Assistant Professor Faculty Search Committee, Chair
- 2016 Instructor Faculty Search Committee, Chair
- 2014, 2015 Assistant Professor Faculty Search Committee, Member
- 2015 – current Peer-evaluator of teaching for Assistant Professors
- 2011, 2013 Assistant Professor Faculty Search Committee, Member
- 2009 – 2015 Applied Science Seminar Committee (Chair in 2014-2015)
- 2010, 2014 Peer-evaluator of teaching for Lecturers
- 2012 – 2013 Environmental and Resource Management Curriculum Committee
- 2011 – 2012 Non-thesis Applied Science M.S. Development Committee
- 2009 – 2012 Applied Science B.S. and M.S. Curriculum Committees

Centers: Central Arizona Phoenix, Long-Term Ecological Research (CAP LTER)

- 2015 – current Co-Lead for Urban Parks and Rivers Project for CAP IV
- 2020 National Science Foundation, virtual Site Visit, host for Salt River project area
- 2015 CAP IV Grant Renewal Workshops and Proposal
- 2011 – 2015 Co-Lead for Urban Biodiversity Integrative Project Area for CAP III
- 2013 National Science Foundation, Site Visit, host for Salt River project area
- 2012 – 2016 Student Poster Judge, CAP LTER All Science Meeting

SERVICE to the PROFESSION

Grant Reviewer, Promotion Reviewer

- 2019 National Science Foundation
- 2018 USGS Southwest Biological Science Center
- 2017 National Geographic Society Explorer's Grant
- 2015 Montana State University
- 2011 National Science Foundation

Journal Reviewer

- 2016 – current Coordinating Editor for the journal Restoration Ecology
- 2008 – current Reviewer for the following journals: Animal Biology, Biological Conservation, Biodiversity and Conservation, BioScience, Conservation Biology, Ecohydrology, Ecological Applications, Herpetological Journal, Invasive Plant Science and Management, Journal of Applied Ecology, Journal of Arid Environments, Journal of Fire Ecology, Journal of Herpetology, PLoS ONE, Restoration Ecology, Riparian Ecology and Conservation, River Research and Applications, Southwestern Naturalist, Western North American Naturalist, Wetlands

PROFESSIONAL DEVELOPMENT

- 2021 Global Futures, Research Accelerator, ASU
- 2020 Pat Tillman Veteran’s Center, Proving Grounds Training
- 2010, 2019 SafeZone LGBTQ+ 3-hour training
- 2018 Active Shooter and Preventing Workplace Violence
- 2018 Faculty Women’s Association, Successful Promotion to Full
- 2017 Mentoring Institute Conference, University of New Mexico
- 2016 – 2017 ASU Leadership Academy, peerLA Cohort IV
- 2009 – 2013 Faculty Women’s Association, Promotion and Tenure Workshop
- 2009 – 2012 Office of the Provost, Promotion and Tenure Process Best Practices
- 2011 Program MARK: workshop by Gary White, Colorado State University
- 2008, 2010 Office of Educational Effectiveness, Strategies for Teaching Large Classes

SOCIETY MEMBERSHIPS

- The Wildlife Society (TWS), Diversity and Awareness Working Group, Southwest Chapter, AZ Chapter
- Ecological Society of America (ESA)
- Society for Ecological Restoration (SER)
- Society for the Study of Amphibians and Reptiles (SSAR)

MEDIA and SCIENCE COMMUNICATION

- 2021 Video, Pitchfunder campaign for Burrowing Owl Conservation Project
- 2021 Podcast, So Much Pingle, Episode 44: Human-snake interactions
- 2021 Video, ASU News, The snake rattles, the phone rings
- 2021 ASU News. Snakes? We're totally fine with them — just not at our house: ASU professor partners with local business for new study about people's perceptions of rattlesnakes
- 2020 Lecture, Osher Lifelong Learning Institute, Scottsdale, AZ
- 2020 ASU Remote Resilience. Birds of a feather flock together for remote Ornithology field trips
- 2020 ASU Now. World Frog Day reminds us of amphibians' crucial environmental role
- 2019 TV interview, Arizona Horizon, PBS. State of Arizona rivers
- 2019 ASU Now. ASU ecologist says state’s rivers are facing rocky waters
- 2018 Apache Junction/Gold Canyon Independent. Boyce Thompson Arboretum to host all-female Learn Your Lizards walk
- 2016 ASU News. When research crawls, slithers, and stings
- 2015 ASU News. Wildlife biologist honored for mentoring students
- 2015 ASU CLS Research. Helping preserve an endangered species
- 2013 ASU News. Biologists ditch traditional methods in favor of new record keeping app