

## Matthew A. Kwiatkowski

Department of Biology  
Stephen F. Austin State University  
P.O. Box 13003, SFA Station  
Nacogdoches, Texas 75962

### ADDITIONAL CONTACT INFORMATION

Email: [kwiatkowm@sfasu.edu](mailto:kwiatkowm@sfasu.edu)  
Phone: (936) 468-5986  
Web: <http://kwiatlab.weebly.com>

### EDUCATION

Ph.D.	Biology	2001	Arizona State University
M.A.	Biology	1994	University of South Dakota
B.S.	Biology	1991	New Mexico State University

### PROFESSIONAL ACADEMIC POSITIONS

Full Professor	2017 – present	Stephen F. Austin State University
Associate Professor	2012 – 2017	Stephen F. Austin State University
Assistant Professor	2006 – 2012	Stephen F. Austin State University
Lecturer	2004 – 2006	Arizona State University, West Campus
Instructor	2002 – 2003	Colorado State University
Postdoctoral Research Fellow	2001 – 2003	Colorado State University
Adjunct Faculty Instructor	2001	Glendale Community College
Teaching Assistant	1994 - 2000	Arizona State University, Tempe
Teaching Assistant	1992 - 1994	University of South Dakota.

### RESEARCH EXPERIENCE

#### Current Research

**Evolution and Function of Animal Signals.** Current focus is on call behavior and color in anurans, possible visual signals in pitvipers, and mating signals in lizards.

**Conservation Ecology of Amphibians and Reptiles.** Investigating effects of artificial light on populations of native amphibians.

Postdoctoral Fellow, 2001 – 2003. Department of Fishery and Wildlife Biology, Colorado State University. Population and conservation genetic studies on threatened and non-threatened fish, amphibian, and reptile species.

Ph.D. Research. Natural and sexual selection on color variation in the chuckwalla, *Sauromalus obesus*.

Master's Research. Feeding ecology and habitat use of juvenile great plains toads (*Bufo cognatus*) and Woodhouse's toads (*B. woodhousei*).

Research Experience for Undergraduates. May - August 1990. Dr. W. Whitford, Department of Biology, New Mexico State University.

### TEACHING EXPERIENCE

Instructor (responsible for lecture or lecture + laboratory):

- Comparative Vertebrate Zoology (comparative anatomy focus)
- Evolution
- Field Natural History
- Field Ecological Methods
- Fundamentals of Ecology
- General Biology I

- General Biology II
- General Ecology
- Herpetology
- Human Anatomy and Physiology (Allied Health majors)
- Human Anatomy and Physiology I (Biology majors)
- Human Anatomy and Physiology II (Biology majors)
- Invertebrate Zoology
- Modes of Scientific Thought
- Population Biology
- Principles of Zoology
- Vertebrate Zoology (natural history focus)
- Wildlife Biology Techniques

Teaching Assistant (responsible for laboratory instruction):

- Arizona Natural History
- Physiology
- General Biology
- Herpetology
- Human Anatomy and Physiology I and II
- Invertebrate Zoology
- Vertebrate Zoology

Preparing Future Faculty. 1995-1997. Program exposed students to variety of teaching methods and career opportunities in academia ranging from community colleges to research I universities. Arizona State University, Tempe, Arizona.

#### STUDENT MENTORING

Graduate Students, Main Advisor (Master of Science, Stephen F. Austin State University)

9. Ashley Kobisk (current). Effects of anthropogenic light and noise on anuran breeding behavior.
8. Leah Perez (current). The visual biology of anurans from east Texas.
7. Allison McElroy (current, co-advised with Dr. Steve Mullin). Movement patterns and foraging ecology of Ribbon Snakes.
6. Laura Springer (graduated Summer 2016, co-advised with Dr. Dan Saenz). Habitat use and movement patterns of the Crawfish Frog (*Lithobates areolata*).
5. Ross Maynard (graduated Fall 2014). Road-edge effects on herpetofauna in a lowland Amazonian rainforest.
4. Erin Fucik (graduated Spring 2011, co-advised with Dr. Dan Saenz). Interactions between invasive species and climate change: The effect on an east Texas anuran.
3. Taylor Hall (graduated Spring 2010, co-advised with Dr. Dan Saenz). Effects of predators on larval morphology in cricket frogs, *Acris crepitans*
2. Taylor Cotten (graduated Fall 2009, co-advised with Dr. Dan Saenz). Effects of an invasive, non-native tree on anuran larval development.
1. Brendan Kavanagh (graduated Fall 2009). Sexual dimorphism, movement patterns, and diets of the Razorback Musk Turtle (*Sternotherus carinatus*) and community characteristics of turtle populations inhabiting two small streams of East Texas.

Graduate Students, Committee Member (Stephen F. Austin State University)

16. Clara Lebow (current), Department of Biology, M.S.
15. Kristina Ayers (current), Department of Biology, M.S.
14. Zac Marcou (current), Department of Biology, M.S.
13. Chelsey Price, Department of Biology, M.S.

12. Diane Lewis (graduate 2015), Department of Biology, M.S.
11. Christopher (Chandler) Brooks (graduated 2015), Department of Biology, M.S.
10. Cory Becher (graduated 2015), Department of Biology, M.S.
9. Mukund Bhandari (graduated 2015). Department of Biology, M.S.
8. Todd Farmer (graduate 2015), Department of Biology, M.S.
7. Danesh Adhikary (graduated 2013), Department of Biology, M.S.
6. Hafiza Rahman (graduated 2012), Department of Biology, M.S.
5. Jarred Melvin (graduated 2012). Environmental Science, M.S.
4. Justin Sullivan (graduated Spring 2011), Department of Biology, M. S.
3. Matthew Buckingham (graduated Spring 2011), Department of Biology, M.S.
2. Sherry Anthony (graduated Spring 2011), Department of Biology, M.N.S.
1. David Saalfeld (graduated Summer 2010), College of Forestry, Ph.D.

#### Undergraduate Students

33. Taylor Black (Spring 2017; role of color in mate selection in Grey Treefrogs)
32. Taylor Black (Spring 2016; use of herpetological illustrations in science)
31. Leah Perez (Spring 2016; evolution of unique yellow color patches in anurans)
30. Jacob Scribner (Fall 2014; function of facial stripes in snakes)
29. Sara Oglesbee (Spr 2014; field assistant, microbiota symbiosis in east Texas amphibians)
28. Jacob Scribner (Spring 2014; field assistant, microbiota symbiosis in east Texas amphibians)
27. Garrett Meeks, SFASU (Fall 2013; lab assistant, Louisiana Pine Snake population genetics)
26. J. C. Morales, SFASU (Spring 2012; field assistant, chytridiomycosis in east Texas amphibians)
25. Josh Cahal, SFASU (Spring 2012; field assistant, chytridiomycosis in east Texas amphibians)
24. Michael Harding, SFASU (Summer 2011; field assistant supported by the STEM Center of the College of Sciences and Mathematics to collect data on the mating ecology of Painted Buntings)
23. Alexandria Bryant, SFASU (Spring 2011; effects of habitat fragmentation on Five-lined Skink populations)
22. Richard Adams, SFASU (2008-2010; employed under cooperative grant from U.S. Forest Service investigating population status of Louisiana Pine Snake)
21. Scott Wahlberg, SFASU (2007-2010; employed under cooperative grant from U.S. Forest Service investigating population status of Louisiana Pine Snake)
20. Grayson Jones, SFASU (teaching assistant in Comparative Vertebrate Zoology Lab)
19. Hafiza Rahman SFASU (teaching assistant in Comparative Vertebrate Zoology Lab)
18. Maurice Thomas, SFASU (teaching assistant in Comparative Vertebrate Zoology Lab)
17. Erin Fucik, SFASU (2009; investigated effects of an invasive tree on treefrog mating behavior)
16. Keith Ashcraft, SFASU (2008; tissue collection in field, DNA extraction, PCR)
15. Kathryn Kitchen, ASU West (2005-2006; field work, DNA extraction, PCR of microsatellites)
14. Scott Weir, ASU West (2005-2006; effects of geology and food resources on lizard abundance)
13. Lora Botos, ASU West (2005-2006; effects of geology and food resources on lizard abundance)
12. Tyler Stradleigh, ASU West (2004 - 2005; field work, DNA extraction, PCR of microsatellites)
11. Bernardo Chavira, ASU West (2004 - 2005; participating in the Minority Access to Research Careers program; participating in field work, DNA extraction, and PCR of microsatellites).
10. Misti Garcia, ASU West (2004 - 2005; field work, DNA extraction, PCR of microsatellites)
9. Laiza Espinoza, ASU West (2004 – 2005; participating in Bridges to Biomedical Careers program to prepare minority students for a future in science; learning DNA extraction and PCR of microsatellites)
8. Kelsey Fillipi, ASU West (2005; locomotor performance in lizards)
7. Nikki Holland, ASU West (2005; locomotor performance in lizards)
6. Carissa Hersum, ASU West (2004; field work, DNA extraction)
5. Erik Featherman, CSU (2002 - 2003; DNA extraction, PCR amplification)

4. Jennifer Cotter, CSU (2002 - 2003; DNA extraction, PCR amplification)
3. Shannon Hoss, ASU West (1999 – 2001; field work and behavioral experiments with lizards)
2. Eric Stitt, ASU Tempe (1997; field and behavioral experiments with chuckwallas)
1. Seth Heald, ASU Tempe (1994 – 1996; behavioral experiments with chuckwalla lizards)

#### PEER-REVIEWED JOURNAL ARTICLES

24. Kavanagh, B. T., and M. A. Kwiatkowski. 2016. Sexual dimorphism, movement patterns, and diets of the Razorback Musk Turtle (*Sternotherus carinatus*). *Southeastern Naturalist* 15 (SI 9): 116-132
23. Maynard, R. J., N. C. Aall, D. Saenz, P. S. Hamilton, D. B. Burt, and M. A. Kwiatkowski. 2016. Road-edge effects on herpetofauna in a lowland Amazonian rainforest. *Tropical Conservation Science* 9:264-290.
22. Saenz, D., T. L. Hall, and M. A. Kwiatkowski. 2014. Effects of urbanization on the occurrence of *Batrachochytrium dendrobatidis*: do urban environments provide refuge from the amphibian chytrid fungus. *Urban Ecosystems* 18:333-340.
21. B. K. Sullivan, Nowak, E. M., and M. A. Kwiatkowski. 2015. Problems with mitigation translocation of herpetofauna. *Conservation Biology* 29:12-18.
20. Hall, T., D. Saenz, and M. A. Kwiatkowski. 2013. Differential jumping performance in newly metamorphosed Blanchard's cricket frogs (*Acris blanchardi*) from fish and invertebrate dominated ponds. *Phyllomedusa Journal of Herpetology* 12:89-96.
19. Saenz, D., E. M. Fucik, and M. A. Kwiatkowski. 2013. Synergistic effects of the invasive Chinese tallow (*Triadica sebifera*) and climate change on aquatic amphibian survival. *Ecology and Evolution* 3:4828-4840.
18. Sullivan, B. K., J. M. Walker, H. L. Taylor, J. E. Cordes, M. A. Kwiatkowski, K. O. Sullivan, J. R. Sullivan, M. R. Douglas, and M. E. Douglas. 2013. Morphological diagnosability of *Aspidoscelis arizonae* (Squamata: Teiidae) as an indication of evolutionary divergence in the *Aspidoscelis inornata* complex. *Copeia* 2013:366-377.
17. Cotten, T., M. A. Kwiatkowski, D. Saenz, and M. Collyer. 2012. Effects of an invasive plant, Chinese Tallow (*Triadica sebifera*), on development and survivorship of anuran larvae. *Journal of Herpetology* 46:186-193.
16. Kwiatkowski, M. A., and D. Brent Burt. 2011. Evolutionary Losses of Facial Stripes in New World Pitvipers. *Biological Journal of the Linnean Society* 104:923-933.
15. Kwiatkowski, M. A., C. M. Somers, R. G. Poulin, D. C. Rudolph, J. Martino, T. D. Tuberville, C. Hagen, and S. L. Lance. 2010. Development and characterization of 16 microsatellite markers for the Louisiana pine snake, *Pituophis ruthveni*, and two congeners of conservation concern. *Conservation Genetics Resources* 2:163-166.
14. Saenz, D., B. Kavanagh, and M. Kwiatkowski. 2010. *Batrachochytrium dendrobatidis* detected in amphibians from national forests in eastern Texas, USA. *Herpetological Review*. 41:47-49.
13. Kwiatkowski, M. A., G. W. Schuett, R. A. Repp, E. M. Nowak, and B. K. Sullivan. 2008. Does urbanization affect the spatial ecology of Gila monsters in the Sonoran Desert? *Journal of Zoology* 276:350-357.
12. Sullivan, B. K., and M. A. Kwiatkowski. 2007. Courtship displays in anurans and lizards: theoretical and empirical contributions to our understanding of costs and selection on males due to female choice. *Functional Ecology* 21:666-675.

11. Sullivan, B. K., M. A. Kwiatkowski, and G. Schuett. 2004. Translocation of urban Gila Monsters: a problematic conservation tool. *Biological Conservation* 117:235-242.
10. Sullivan, B. K., M. A. Kwiatkowski, and P. S. Hamilton. 2004. Growth in Sonoran Desert populations of the common chuckwalla (*Sauromalus obesus*). *Western North American Naturalist* 64:137-140.
9. Kwiatkowski, M. A. 2003. Variation in conspicuousness among populations of an iguanid lizard, *Sauromalus obesus* (= *ater*). *Copeia* 2003:481-492.
8. Kwiatkowski, M. A., and B. K. Sullivan. 2002. Geographic variation in sexual selection among populations of an iguanid lizard, *Sauromalus obesus* (= *ater*). *Evolution* 56:2039-2051.
7. Kwiatkowski, M. A. and B. K. Sullivan. 2002. Mating system structure and population density in a polygynous lizard, *Sauromalus obesus* (= *ater*). *Behavioral Ecology* 13:201-208.
6. Sullivan, B. K., G. W. Schuett, and M. A. Kwiatkowski. 2002. *Heloderma suspectum* (Gila Monsters). Mortality/predation? *Herpetol. Rev.* 33:135-136.
5. Cooper, W. E., Jr., and M. Flowers\*. 2001. Plant chemical discrimination by an herbivorous iguanid lizard, *Sauromalus ater*. *Amphibia-Reptilia* 22:69-80.
4. Cooper, W. E., Jr., J. H. Van Wyk, P. Le F. N. Mouton, A. M. Al-Johany, J. A. Lemos-Espinal, M. A. Paullisson, and M. Flowers\*. 2000. Lizard antipredatory behaviors preventing extraction from crevices. *Herpetologica* 56:394-401.
3. Sullivan, B. K., and M. A. Flowers\*. 1998. Large iguanid lizards of urban mountain preserves in northern Phoenix, Arizona. *Herpetological Natural History* 6:13-22.
2. Flowers\*, M. A., and B. M. Graves. 1997. Juvenile toads avoid chemical cues from snake predators. *Animal Behaviour* 53:641-646.
1. Flowers\*, M. A., and B. M. Graves. 1995. Prey selectivity and size-specific diet changes in *Bufo cognatus* and *B. woodhousii* during early postmetamorphic ontogeny. *Journal of Herpetology* 29:608-612.

#### PEER-REVIEWED BOOK CHAPTERS

4. Greenberg, C. H., R. W. Perry, K. E. Franzreb, S. C. Loeb, D. Saenz, D. C. Rudolph, E. Winters, E. M. Fucik, M. A. Kwiatkowski, B. R. Parresol, J. D. Austin, and G. W. Tanner. 2014. Climate change and wildlife in the southern United States: Potential effects and management options. In J. M. Vose and K. D. Klepzig, eds., *Climate Change Adaptation and Mitigation Management Options*. CRC Press, Taylor & Francis Group, Boca Raton, FL.
3. Kwiatkowski, M. A., L. L. C. Jones, and B. K. Sullivan. 2009. Common Chuckwalla: *Sauromalus ater* Duméril, 1856. In *Lizards of the American Southwest*, L. L. C. Jones and R. E. Lovich, eds. Rio Nuevo Publishers, Tucson, Arizona.
2. Kwiatkowski, M. A. 2009. Six-lined Racerunner: *Aspidoscelis sexlineata* (Linnaeus 1766). In *Lizards of the American Southwest*, L. L. C. Jones and R. E. Lovich, eds. Rio Nuevo Publishers, Tucson, Arizona.
1. Kwiatkowski, M. A. 2009. Little Brown Skink: *Scincella lateralis* (Say in James 1823). In *Lizards of the American Southwest*, L. L. C. Jones and R. E. Lovich, eds. Rio Nuevo Publishers, Tucson, Arizona.

#### **MANUSCRIPTS UNDER REVIEW**

Perez, L. J. Childress, M. Kwiatkowski, D. Saenz, and J. Gumm. Call phenology and call structure of sympatric treefrogs in eastern Texas. Submitted to Copeia.

#### **MANUSCRIPTS IN PREP**

Kwiatkowski, M. A., J. Pierce, B. B. Gregory, J. Childress, and D. C. Rudolph. Genetic structure and diversity in Louisiana Pinesnakes (*Pituophis ruthveni*): Implications for conservation and management. Conservation Genetics.

Scribner, J., and M. A. Kwiatkowski. In Prep. Facial stripes influence attack frequency on snake models. Target journal: Journal of Herpetology

#### **NON PEER-REVIEWED TECHNICAL COMMENTS AND REPORTS**

7. Kwiatkowski, M. A., D. Saenz, and T. Hibbitts. 2016. Habitat use and movement patterns of the Southern Crawfish Frog (*Rana areolata*). Final report to the Texas Parks and Wildlife Department.
6. Kwiatkowski, M. A., D. C. Rudolph, and J. Pierce. 2014. Conservation genetics of Louisiana Pine Snakes, *Pituophis ruthveni*. Final report to the Louisiana Department of Wildlife and Fisheries.
5. Kwiatkowski, M. A. 2013. An investigation of chytridiomycosis and amphibian declines in east Texas. Final Report to the USDA Forest Service, Southern Research Station.
4. Kwiatkowski, M. A. 2010. Louisiana Pine Snake population status, genetic structure, captive breeding, and reintroduction. Final report to the USDA Forest Service, Southern Research Station.
3. Sullivan, B. K., M. A. Kwiatkowski, and P. S. Hamilton. 2004. The Arizona Striped Whiptail: past and present. Technical report submitted to the U.S. Fish and Wildlife Service.
2. Sullivan, B. K., M. A. Kwiatkowski, and G. W. Schuett. 2003. Translocation as a conservation tool with a large, venomous, and protected reptile: urban Gila Monsters (*Heloderma suspectum*) in Arizona. Technical report submitted to the Arizona Department of Game and Fish.
1. Sullivan, B. K., R. W. Bowker, and M. A. Flowers\*. 1997. Lizards of mountain preserves of Phoenix. Technical report submitted to the Arizona Department of Game and Fish.

#### **GRANTS, COOPERATIVE AGREEMENTS, AND AWARDS**

20. SFASU Faculty-Student Collaborative Research Enhancement Grant, (Co-PI with Dr. S. Mullin and Allison McElroy). 2017 – 2019. \$44,000.
19. SFASU Faculty-Student Collaborative Research Enhancement Grant, (Co-PI with Dr. J. Gumm and Ashley Kobisk). 2017 – 2019. \$44,000
18. SFASU Faculty-Student Collaborative Research Enhancement Grant, (Co-PI with Dr. J. Gumm and Leah Perez). 2017 – 2019. \$37,500
17. 2015 Teaching Excellence Award, College of Sciences and Mathematics, Stephen F. Austin State University.
16. Texas Parks and Wildlife Department, State Wildlife Grant. 2014. Habitat Use and Movement Patterns of the Crawfish Frog (*Lithobates areolatus*). \$27,210.
15. Faculty Research Grant, Stephen F. Austin State University. 2013. Symbiotic Skin Bacteria and Disease Resistance in Amphibians. \$16,712.

14. Louisiana Department of Wildlife and Fisheries. 2013. Conservation Genetics of Louisiana Pine Snakes, *Pituophis ruthveni*. \$20,000.
13. Faculty Research Engagement Grant, STEM Research and Learning Center, Stephen F. Austin State University. 2012. \$3,500 (summer stipend).
12. Faculty Minigrant, Stephen F. Austin State University. 2012. \$2046
11. Angelina Nacogdoches Partnership Phase II, Texas Teacher Quality Grants Program, U.S. Department of Education. 2009 – 2011. Wagner, S. C. (Co-P.I.), Taylor, J. (Co-P.I.), Sowards, A. B. (Supporting), Kwiatkowski, M.A. (Supporting). \$185,000
10. Cooperative Agreement with Wildlife Habitat and Silviculture Lab, Southern Research Station, U.S. Forest Service. Occurrence of Chytridiomycosis among Populations of East Texas Anurans. \$20,000.
9. Cooperative Agreement with Wildlife Habitat and Silviculture Lab, Southern Research Station, U.S. Forest Service. Genetic Structure of Louisiana Pine Snake (*Pituophis ruthveni*) Populations. \$13,844.
8. Cooperative Agreement with Wildlife Habitat and Silviculture Lab, Southern Research Station, U. S. Forest Service. Louisiana Pine Snake Population Status, Captive Breeding, and Reintroduction. \$10,000.
7. Faculty Minigrant, Stephen F. Austin State University. 2006. \$1,729
6. National Science Foundation. 2005. Co-P.I.'s: Dennis, D. (Lead P.I.), C. Deutsch, M. Kwiatkowski, P. Marshall, and K. Sweat. An Integrated Core Curriculum of Cell Biology, Genetics, and Ecology Using the Desert Tree Lizard as a Thematic Organism. \$156,000. National Science Foundation.
5. Henri Seibert Student Award, Best Student Paper in Ecology and Evolution. 1999. Society for the Study of Amphibians and Reptiles
4. Honorable Mention, Henri Seibert Student Award. 1997. Society for the Study of Amphibians and Reptiles.
3. Sigma Xi Grants-in-Aid of Research. 1996.
2. Graduate College Travel Fund, Arizona State University. 1997 and 2000.
1. Graduate Student Research Fund, Department of Biology, Arizona State University. 1995-2000

#### **INVITED SEMINARS AND PUBLIC PRESENTATIONS**

13. 13 August 2014. Preliminary Analyses on the Conservation Genetics of Wild and Captive Louisiana Pine Snake Populations. Annual Meetings of the Louisiana Pine Snake Stakeholders. Stephen F. Austin State University.
12. 17 October 2013. The Critters that Slither and Hop in Your Garden: The Reptiles and Amphibians of East Texas. Theresa and Les Reeves Lecture Series, SFA Gardens, Stephen F. Austin State University.
11. 16 August 2012. Conservation Genetics of Louisiana Pine Snakes, *Pituophis ruthveni*: Effects and Implications of Small, Isolated Populations. Annual Meetings of the Louisiana Pine Snake Stakeholders. Ellen Trout Zoo, Lufkin, Texas.

10. 12 May 2011. Public presentation to the Nacogdoches Speaker Series Association, Nacogdoches Public Library: The Frogs and Snakes of East Texas.
9. 19 August 2010. Population Genetics of Louisiana Pine Snakes. Louisiana Pine Snake Stakeholders Meeting. Ellen Trout Zoo, Lufkin, Texas.
8. 20 November 2008. The Evolution of Facial Stripes in New World Pitvipers: Testing Ecological and Social Hypotheses. Department of Biological Sciences, Sam Houston State University.
7. 20 August 2008. Importance of Population Genetics to the Conservation of Louisiana Pine Snakes. Annual Louisiana Pine Snake and Red Cockaded Woodpecker Translocation Meeting. Stephen F. Austin State University.
6. 25 February 2008. The Town Reptile and the Country Reptile: Spatial Ecology in Urban versus Rural Environments. Invited seminar in the Department of Biology, The University of Texas at Tyler.
5. October 2005. The South Mountains Chuckwalla. Public presentation for Phoenix Parks and Recreation Department.
4. February 2002. Variation in Sexual Selection among Populations of an Iguanid Lizard. Department of Biology, Colorado State University.
3. January 2002. Behavioral Ecology and Conservation of Two Lizard Species in Arizona. Department of Fishery and Wildlife Biology, Colorado State University.
2. June 1997. Sexual color dimorphism in chuckwallas, *Sauromalus obesus*, and implications for sexual selection. Biosystematics, Behavioral Ecology, and Conservation of Iguanas Symposium, combined meetings of American Society of Ichthyologists and Herpetologists, Herpetologists' League, and Society for the Study of Amphibians and Reptiles. University of Washington.
1. November 1997. The influence of natural and sexual selection on color pattern variation in male chuckwallas, *Sauromalus obesus*. Invited presentation to the Arizona Department Game and Fish Department, Phoenix, Arizona.

**PRESENTATIONS AT MEETINGS** (\*Undergraduate student presenter or author)

49. Perez, L., M. Kwiatkowski, and J. Gumm. 5 August 2018. Opsin diversity in anurans. 55<sup>th</sup> Annual Conference of the Animal Behavior Society. Milwaukee, Wisconsin.
48. Kwiatkowski, M. A., C. LeBow, and D. B. Burt. 13 April 2018. The many functions of dark facial masks: A review of vertebrate studies (Las muchas funciones de marcas faciales oscuras: Una revision de estudios vertebrados). 65<sup>th</sup> Annual Meeting of the Southwestern Association of Naturalists. San Marcos, Texas.
47. Scribner\*, J., and M. Kwiatkowski. 16 July 2017. Facial stripes influence attack frequency on snake models. Joint Meetings of Ichthyologists and Herpetologists, Austin, Texas.
46. Perez, L. D. B. Burt, M. A. Kwiatkowski. 16 July 2017. The evolution of potential color signals in hyliid frogs. Joint Meetings of Ichthyologists and Herpetologists, Austin, Texas.
45. Springer, L., C. Adams, T. Hibbitts, M. Kwiatkowski, and D. Saenz. 14 July 2017. Home range and activity patterns in the southern crawfish frog. Joint Meetings of Ichthyologists and Herpetologists, Austin, Texas.



44. Kwiatkowski, M., J. Pierce, B. Gregory, J. Childress, and D. C. Rudolph. 9 July 2016. Genetic structure and diversity in Louisiana Pine Snakes, *Pituophis ruthveni*: Implications for conservation and management. Joint Meetings of Ichthyologists and Herpetologists, New Orleans, Louisiana.
43. Lewis, D., D. Saenz, A. Nalian, M. Kwiatkowski, and A. Van Kley. 9 July 2016 Land use determines composition of frog skin microbiome and occurrence of *Batrachochytrium dendrobatidis*. Joint Meetings of Ichthyologists and Herpetologists, New Orleans, Louisiana.
42. Perez\*, L. J. Childress, M. Kwiatkowski, D. Saenz, and J. Gumm. 7 July 2016. Calling behavior and call structure of sympatric treefrogs in eastern Texas. Joint Meetings of Ichthyologists and Herpetologists, New Orleans, Louisiana.
41. Kwiatkowski, M. A., J. Pierce, B. Gregory, J. Childress, and D. C. Rudolph. 18 April 2015. Conservation genetics of Louisiana pine snakes, *Pituophis ruthveni*. Big Thicket Science Conference, Stephen F. Austin State University.
40. Kavanagh, B. T., and M. A. Kwiatkowski. 18 April 2015. Sexual dimorphism, movement patterns, and diets of the razorback musk turtle (*Sternotherus carinatus*). Big Thicket Science Conference, Stephen F. Austin State University.
39. Perez\*, L. K., J. D. Childress, M. A. Kwiatkowski, D. Saenz, and J. M. Gumm. 17 April 2015. Calling behavior and call structure of sympatric treefrogs in eastern Texas. Big Thicket Science Conference. Stephen F. Austin State University.
38. Scribner\*, J., and M. A. Kwiatkowski. 7 March 2015. Effects of facial stripes on attacks in snake models. 118<sup>th</sup> Annual Meeting of the Texas Academy of Science. San Antonio, Texas.
37. Pierce, J. B., D. C. Rudolph, S. Reichling, E. Smith, M. A. Kwiatkowski, R. R. Schaefer, D. Fuller, M. Sealy, and D. Saenz. 19 February 2015. Returning the Louisiana Pine Snake (*Pituophis ruthveni*) to restored habitat. Annual Meeting of Southeast Partners in Amphibian and Reptile Conservation, Covington, Louisiana.
36. Maynard, R., and M. A. Kwiatkowski. 2 August 2014. Edge effects on herpetofauna in a lowland Amazonian rainforest. Joint Meetings of Ichthyologists and Herpetologists, Chattanooga, Tennessee.
35. Nowak, E. M., B. K. Sullivan, and M. A. Kwiatkowski. 4-7 July 2014. Improving mitigation translocation outcomes for nuisance rattlesnakes. Biology of the Pitvipers 2, Tulsa, Oklahoma.
34. Gumm, J., M. Kwiatkowski, and D. B. Burt. 1 May 2014. Sensory Ecology at Stephen F. Austin State University. Spotlight Exhibit at the 2014 Bright Ideas Conference, Stephen F. Austin State University.
33. Burt, D.B., M. A. Kwiatkowski, and J. Gumm. 5 January 2014. Male color as an indication of quality and reproductive success in painted buntings (*Passerina ciris*). Annual Meetings of the Society for Integrative and Comparative Biology. Austin, Texas.
32. Burt, D. B., M. A. Kwiatkowski, and J. Gumm. 11 October 2013. Plumage color as an indicator of male quality in Painted Buntings, *Passerina ciris*. STEM Center Fall Research Conference, Stephen F. Austin State University.
31. Maynard, R., M. A. Kwiatkowski, and D. Saenz. 11 October 2013. Road effects on a herpetofauna in Amazonian Ecuador: Preliminary analysis. STEM Center Fall Research Conference, Stephen F. Austin State University.

30. Kwiatkowski, M., D. Saenz, S. Nagao, and J. Fritzler. 14 July 2013. Association between chytrid fungus and symbiotic skin bacteria in east Texas anurans. Joint Meetings of Ichthyologists and Herpetologists, Albuquerque, New Mexico
29. Saenz, D., T. Hall, and M. Kwiatkowski. 14 July 2013. Difference in occurrence of the amphibian chytrid fungus, *Batrachochytrium dendrobatidis*, between urban and forested habitats. Joint Meetings of Ichthyologists and Herpetologists, Albuquerque, New Mexico.
28. Sullivan, B., M. Kwiatkowski, and K. Sullivan. 14 July 2013. Sex related variation in over-wintering behavior of *Gopherus morafkai* in central Arizona. Joint Meetings of Ichthyologists and Herpetologists, Albuquerque, New Mexico.
27. Kwiatkowski, M. A. 30 April 2013. Does Conducting Research Increase Higher Order Thinking Skills in Students? Poster presentation at the 2<sup>nd</sup> Annual Conference on High-Impact Practices, Stephen F. Austin State University.
26. Saenz, D. M., E. M. Fucik, and M. A. Kwiatkowski. 8 – 14 August 2012. Synergistic effects of climate and the invasive Chinese tallow on larval amphibians. World Congress of Herpetology. Vancouver, British Colombia.
25. Saenz, D., M. A. Kwiatkowski, E. M. Fucik, and T. B. Cotten. 16 – 19 February 2012. Effects of climate change and the invasive Chinese Tallow on aquatic amphibians. Annual Meetings of the Southeast Partners in Amphibian and Reptile Conservation. Fall Creek Falls State Park, Tennessee.
24. Cotten, T. B., M. A. Kwiatkowski, D. Saenz, and E. M. Fucik. 2 – 4 February 2012. Impacts of an invasive plant species on amphibian survival and development. The 45<sup>th</sup> Annual Meeting of the Arizona-New Mexico Chapters of the American Fisheries Society and the Wildlife Society. Phoenix, Arizona.
23. Kwiatkowski, M. A., D. Saenz, E. M. Fucik, and T. B. Cotten. 10 – 12 August 2011. Interactions between invasive species and climate change: The effect on aquatic amphibians. 96<sup>th</sup> Annual Meeting of the Ecological Society of America. Austin, Texas.
22. Kwiatkowski, M. A., and D. C. Rudolph. 8-10 April 2011. Conservation genetics of Louisiana Pine Snakes (*Pituophis ruthveni*): Effects and implications of small, isolated populations. Big Thicket Science Conference. Stephen F. Austin State University.
21. Fucik, E. M., D. Saenz, and M. Kwiatkowski. 8-10 April 2011. Interactions between invasive species and climate change: The effects on an east Texas anuran. Big Thicket Science Conference. Stephen F. Austin State University.
20. Cotten, T. B., M. A. Kwiatkowski, D. Saenz, and M. L. Collyer. 8-10 April 2011. Effects of Chinese Tallow on development and survival of anuran larvae. Big Thicket Science Conference. Stephen F. Austin State University.
19. Hall, T. L. D. Saenz, and M. A. Kwiatkowski. 8-10 April 2011. Differential jumping performance in newly metamorphosed Blanchard's cricket frogs (*Acris blanchardi*). Big Thicket Science Conference. Stephen F. Austin State University.
18. Hall, T. L., D. Saenz, M. A. Kwiatkowski, and M. L. Collyer. 8-10 April 2011. Quantifying anuran plasticity: A practical application for geometric morphometrics with phenotypic change analyses. Big Thicket Science Conference. Stephen F. Austin State University.
17. Kavanagh, B. T., and M. Kwiatkowski. 8-10 April 2011. Community characteristics of turtle populations inhabiting two small streams of east Texas. Big Thicket Science Conference. Stephen F. Austin State University.

16. Kavanagh, B. T. D. Saenz, and M. A. Kwiatkowski. 8-10 April 2011. The amphibian chytrid fungus (*Batrachochytrium dendrobatidis*) in eastern Texas. Big Thicket Science Conference. Stephen F. Austin State University.
15. Pierce, J, R. Wagner, S. Reichling, D. C. Rudolph, R. Schaefer, D. Saenz, E. Smith, and M. Kwiatkowski. 8-9 April 2010. Reintroduction of Louisiana Pine Snakes (*Pituophis ruthveni*) in Louisiana. Species Introductions and Re-introductions Symposium 2010, Mississippi State University, Starkville, Mississippi
14. Kwiatkowski, M. A., and D. B. Burt. 5 April 2010. The evolution of facial stripes in new world pitvipers: testing ecological and social hypotheses. Poster presentation at the Bright Ideas Conference, Stephen F. Austin State University.
13. Cotten, T., M. Kwiatkowski, and D. Saenz. 18-21 February 2010. Effects of Chinese tallow on four species of anuran larvae. Poster presented at the Annual Meetings of the Southeast Partners in Amphibian and Reptile Conservation, Camp Ocala, Florida.
12. Kavanagh, B. T., D. Saenz, and M. Kwiatkowski. 18-21 February 2010. *Batrachochytrium dendrobatidis* detected in amphibians from national forests in eastern Texas, USA. Poster presented at the Annual Meetings of the Southeast Partners in Amphibian and Reptile Conservation, Camp Ocala, Florida.
11. Kwiatkowski, M. A., and D. B. Burt. 21 June 2008. The evolution of facial stripes in new world pitvipers: testing ecological and social hypotheses. Presentation at the joint meetings of the American Society of Naturalists, Society for the Study of Evolution, and Society of Systematic Biologists. University of Minnesota, Minneapolis, MN.
10. Kwiatkowski, M. A., G. W. Schuett, R. A. Repp, E. M. Nowak, and B. K. Sullivan. 30 May – 3 June 2007. Spatial ecology of urban and rural Gila monsters in central Arizona. Poster presented at the Annual Meetings of Southwest Partners in Amphibian and Reptile Conservation, Albuquerque, New Mexico.
9. Stradleigh, T., L. Espinoza, M. Garcia, and M. A. Kwiatkowski. 29 November 2004. Effects of urbanization on gene flow among natural populations. Student Research Poster Session, New College of Interdisciplinary Arts and Sciences, Arizona State University at the West Campus, Glendale, Arizona.
8. Douglas, M. R., M. E. Douglas, and M. A. Kwiatkowski. 14–15 January 2002. A genetic evaluation of hybridization among indigenous and non-native Yampa River suckers (Catastomidae). 24<sup>th</sup> Annual Upper Colorado River Basin Researcher's Meeting, Grand Junction, Colorado.
7. Douglas, M. E., M. R. Douglas, and M. A. Kwiatkowski. 14-15 January 2002. Interrelationships among populations of Humpback Chub (*Gila cypha*) in the Colorado River Basin. 24<sup>th</sup> Annual Upper Colorado River Basin Researcher's Meeting, Grand Junction, Colorado.
6. Kwiatkowski, M. A., B. K. Sullivan, and G. W. Schuett. 5 - 7 April 2002. Effects of translocation on movement patterns in Gila Monsters. Current Research on Herpetofauna of the Sonoran Desert II, University of Arizona, Tucson, Arizona.
5. Flowers, M. A., and B. K. Sullivan. 27 June 2000. Female preference asymmetry for male color pattern among populations of an iguanid lizard, *Sauromalus ater*. Society for the Study of Evolution, Indiana University.

4. Flowers, M. A. 26 June 1999. Population variation in male color pattern and female preference in chuckwalla, *Sauromalus obesus*. Awarded SSAR Henri Seibert Student Award for best student paper in ecology and evolution (see above).
3. Flowers, M. A. 31 October 1997. Female preferences for male color patterns in an iguanid lizard. Life Sciences Graduate Symposium, Arizona State University, Tempe Arizona.
2. Flowers, M. A. 8 August 1996. Juvenile toads avoid chemical cues from snake predators. Animal Behavior Society. Northern Arizona University.
1. Flowers, M. A., and B. M. Graves. 9 August 1993. Diet changes in *Bufo cognatus* and *B. woodhousei* during early postmetamorphic ontogeny. Society for the Study of Amphibians and Reptiles. Indiana University.

#### **PROFESSIONAL SERVICE & ADMINISTRATIVE DUTIES**

- Graduate Program Advisor, Department of Biology, Stephen F. Austin State University. May 2016 – present.
- College of Sciences and Mathematics, Stephen F. Austin State University. Summer Undergraduate Research Experience Review Committee. Spring 2018.
- College of Sciences and Mathematics, Stephen F. Austin State University. CoSM Teaching Excellence Committee. Spring 2018.
- College of Sciences and Mathematics Strategic Planning Committee. 2015 – 2017.
- Long-range Planning Committee, Department of Biology, Stephen F. Austin State University, 2015 – 2016.
- Graduate Committee, Department of Biology, Stephen F. Austin State University, Fall 2014 – present.
- PLO Assessment Committee, Department of Biology, Stephen F. Austin State University. 2012 – present.
- Freshman Convocation Open House, Department of Biology, Stephen F. Austin State University. Fall 2016.
- Ad-hoc Committee on Research, Stephen F. Austin State University. Spring 2016 – Fall 2016.
- Chair, Department Personnel Committee. Department of Biology, Stephen F. Austin State University. Fall 2015 – Spring 2016.
- Core Curriculum Assessment Committee, Faculty Senate Representative. Stephen F. Austin State University. Fall 2014 – Spring 2015.
- Department Chair Search Committee. Department of Biology, Stephen F. Austin State University. Spring 2014 – Spring 2015.
- Faculty Senate. Stephen F. Austin State University. 2012 – 2015.
- Presenter, STEM Day, Spring 2014. Stephen F. Austin State University
- Chair, Curriculum Committee. Department of Biology, Stephen F. Austin State University. 2013 – 2014.
- Chair, Teaching Effectiveness Committee. Department of Biology, Stephen F. Austin State University. 2013 – 2014.
- Teaching Effectiveness Committee, Department of Biology, Stephen F. Austin State University. 2013 – 2015.
- Tenure Tracking Committee. Department of Biology, Stephen F. Austin State University 2013 – 2015.
- Freshman Biology Committee (BIO 133), Department of Biology, Stephen F. Austin State University. 2012 – 2015.

- Freshman Biology Committee (BIO 238 & 239), Department of Biology, Stephen F. Austin State University. 2013 – 2014.
- Research Planning Committee. Stephen F. Austin State University. 2012 – 2014.
- STEM Center Faculty Advisory Board. College of Sciences and Mathematics, Stephen F. Austin State University. 2012 – 2013.
- Presenter at STEM Day: Science Explosion, with Dr. D. Brent Burt. “Beauty Is in the Eye of the Beholder.” 17 February 2012.
- University Research Council. Stephen F. Austin State University. 2011 – 2014.
- Curator of Amphibians and Reptiles, Department of Biology Vertebrate Museum, Stephen F. Austin State University. 2006 – present.
- Introduction to Zoology Lab Coordinator Search Committee. Department of Biology, Stephen F. Austin State University. Spring 2013.
- Invertebrate Biologist Search Committee. Department of Biology, Stephen F. Austin State University. Spring 2012.
- Human Anatomy and Physiology Lab Coordinator Search Committee. Department of Biology, Stephen F. Austin State University. Summer 2011.
- Graduate Committee. Department of Biology, Stephen F. Austin State University 2010 – present.
- Promotion and Tenure Criteria Committee. Department of Biology, Stephen F. Austin State University 2009 – 2010.
- Chair, Animal Physiologist Search Committee. Department of Biology, Stephen F. Austin State University. Fall 2008 – Spring 2009.
- Strategic Planning Committee, Department of Biology, Stephen F. Austin State University, 2008 – 2010.
- University Financial Assistance and Scholarship Committee. Stephen F. Austin State University. 2007 – 2010.
- Department of Biology Scholarship Committee. Stephen F. Austin State University. 2007 – 2010.
- Department Executive Committee. Department of Biology, Stephen F. Austin State University. 2008 – 2009.
- Biology Curriculum Review Committee. Department of Biology, Stephen F. Austin State University. 2007 – 2011.
- Chair, Vehicle Use Committee. Department of Biology, Stephen F. Austin State University. 2008 – 2009, 2010 – 2011.
- Vertebrate Ecologist Search Committee. Department of Biology, Stephen F. Austin State University. Spring 2007.
- Animal Care and Use Committee. Department of Biology, Stephen F. Austin State University. 2006 – 2012.
- Graduate Research Forum Organizing Committee. University of South Dakota. 1993.
- Graduate Representative to Graduate Program Committee, Department of Zoology, Arizona State University. 1996-1997
- Reviewer for National Science Foundation (2004, Fall 2010)
- Reviewer for Texas Academy of Science Student Research Grants (2009 – 2011).
- Reviewer of manuscripts prepared by biologists of the Southern Research State, U.S. Forest Service (2007 – 2011).
- Reviewer for American Midland Naturalist, Animal Behavior, Conservation Biology, Copeia, Evolution, Herpetologica, Herpetological Review, Journal of Herpetology, Journal of Zoology, Oecologia, Southwestern Naturalist, and Southeastern Naturalist.

**PUBLIC SERVICE**

- Public presentation to K-5 grades at Christ Episcopal School (Nacogdoches, Texas) on amphibians and reptiles of east Texas. 23 October 2015.
- Public presentation for the Theresa and Les Reeves Lecture Series, SFA Gardens, Stephen F. Austin State University. The Critters that Slither and Hop in Your Garden: The Reptiles and Amphibians of East Texas. 17 October 2013.
- Public presentation to the Nacogdoches Speaker Series Association, Nacogdoches Public Library: The Frogs and Snakes of East Texas. May 2011.
- Central Heights 8<sup>th</sup> Grade Tour of the Department of Biology, Stephen F. Austin State University. Comparative Vertebrate Zoology and Herpetology demonstration. 18 February 2011.
- High School Biology Achievement Exam at Stephen F. Austin State University. Yearly, 2007 – 2011.
- Participated in job shadowing program with Central Heights Junior High School, Central Heights Texas. 26 February 2008.
- Presentation to Troop 100, Boy Scouts of America, Nacogdoches, Texas. 3 February 2009. Reptiles and Amphibians of East Texas.
- Coach, Vipers Under-10 Boys Soccer, Nacogdoches Youth Soccer Association. Fall 2008, Fall 2009 – Spring 2010
- Coach, Vipers Under-12 Boys Soccer, Nacogdoches Youth Soccer Association. Fall 2010 – Spring 2011
- Assistant Coach, LSG Lobos Under-12 Boys Soccer, East Texas Premier League. Fall 2011 – Spring 2012.
- Assistant Coach, LSG Lobos Under-16 Boys Soccer, East Texas Premier League. Fall 2012 – Spring 2013.
- Manager and Assistant Coach, LSG Lobos Under-16 Boys Soccer, East Texas Premier League, Fall 2013 – Spring 2014.
- Assistant Coach, Kestrels Under-10 Girls Soccer, Nacogdoches Youth Soccer Association Fall 2014 – Spring 2015.
- Team Manager, Texans Pines Soccer Club, Under-16 Boys. Fall 2015 – Fall 2016.