

Curriculum Vitae: Geoffrey R. Smith

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Current Position:

2013- Professor of Biology, Denison University, Denison University

Professional Experience:

2010-2015 Henry Chisholm Chair in the Natural Sciences, Denison University
2006-2013 Associate Professor of Biology, Denison University, Granville, OH
2000-2006 Assistant Professor of Biology, Denison University, Granville, OH
1999-2000 Assistant Professor of Biology, William Jewell College, Liberty, MO
1997-1999 Instructor of Biology, William Jewell College, Liberty, MO
1996-1997 Visiting Assistant Professor of Biology, Earlham College, Richmond, IN
1996 Instructor of Genetics, Earlham College, Richmond, IN
1995-1996 Visiting Researcher, Kellogg Biological Station, Michigan State University
1987-1990 Curator, Herpetology and Ichthyology, Joseph Moore Museum

Educational Background:

1995 Ph.D. in Ecology and Organismal Biology, University of Nebraska-Lincoln
Dissertation: "Within-population life history and demographic variation in the striped plateau lizard, *Sceloporus virgatus*"
1990 B.A. in Biology (with College and Departmental Honors), Earlham College

Grants:

2002 Stressor effects on amphibian larval communities: Integrated experiments on the effects of nitrate. Declining Amphibian Populations Task Force/ Amphibian Research and Monitoring Initiative Seed Grant. \$1710. With Jessica Rettig.
2006 Factors that determine the distribution of the amphibians in pools associated with the Río Salado, Puebla, México. Programa de Apoyo a Proyectos de Investigación e Innovación Tecnológica (Mexico). \$50,000. With Julio Lemos-Espinal, UNAM.
2006 Ecology of the herpetofauna of the Cañón de Chínipas, Chihuahua. Nacional de Ciencia y Tecnología (Mexico). \$9,000. With Julio Lemos-Espinal, UNAM.

Scholarships, Awards, and Non-Teaching Fellowships:

National Science Foundation Pre-doctoral Fellowship
Presidential Fellowship (UNL)
Frank and Marie T. Wheeler Fellowship (UNL)
National Merit Scholarship (EC)
Charles A. Freuauff Foundation Award (EC)

Research Awards:

Theodore Roosevelt Memorial Fund Award (American Museum of Natural History)
Warren F. and Edith R. Day Student Aid Fund Award (UNL)

Southwestern Research Station Student Fund Award
Harald Holck Award (UNL)
Gaige Fund Award (American Society of Ichthyologists and Herpetologists)
Millard Markle Award in Biology (EC)
PEW Fellowship (EC)

Academic Distinctions:

College and Departmental Honors (EC)
Phi Beta Kappa (EC)
Sigma Xi (UNL)

Society Memberships:

American Society of Ichthyologists and Herpetologists
British Herpetological Society
Ecological Society of America
Herpetologists' League
International Reptile Conservation Foundation
Natural History Society of Maryland
Phi Beta Kappa
Sigma Xi
Societas Europae Herpetologica
Society for Freshwater Science
Society for the Study of Amphibians and Reptiles
Southwestern Association of Naturalists

Denison Service:

Library Science Liaison search committee (Summer 01)
August Orientation (01, 02, 03, 04, 07, 08)
June Orientation (02, 03, 04, 05, 06, 08, 09)
Denison Institutional Review Board (02 – 08)
Co-coordinator for Denison Scientific Association (04-05)
Learning Spaces Project Committee (04 – 07)
FSA Reader for Admissions (S05)
Hughes Working Group (S07-F07)
Academic Affairs Committee (S09 – one semester replacement)
Naples Alumni College – Faculty Presenter (S09)
Dinner conversations with student groups (S09)
Denison Alumni College – Faculty Presenter (S09)
Copy Edit – NCA accreditation report (F09)
Chair, First Year Program review committee (F09)
Chair, Task Force on Writing (10-11 academic year)
Faculty Appeals Committee (11-12, 14-15, 15-16, 16-17)

Professional Service:

Acting Editor (for manuscripts submitted in 2009), *Journal of Herpetology* (2010 - 2011)

Editor, *Journal of Herpetology* (2006 to 2008)
Associate Editor, *Journal of Herpetology* (1998 to 2005, 2013 - 2015)
Associate Editor for Special Projects, *Journal of Herpetology* (2010 – 2013)
Associate Editor, *Journal of North American Herpetology* (2013 – present)
Reviewer: *Acta Herpetologica* (2016), *Acta Oecologica* (2003), *Acta Zoologica Mexicana* (2013, 2017), *American Midland Naturalist* (1993, 2000, 2007, 2011), *Amphibia-Reptilia* (2002-04, 2006, 2009-12, 2016, 2018), *Animal Biology* (2010), *Animal Conservation* (2007), *Applied Herpetology* (2005, 2009), *Aquatic Ecology* (2016), *Archives of Environmental Contamination and Toxicology* (2009-10, 2013-16, 2018), *Asian Herpetological Research* (2015-16), *Behavioral Ecology* (2008, 2010), *Behavioral Ecology and Sociobiology* (2007), *Biologia* (2008), *Biological Conservation* (2000, 2004-09, 2011, 2015-17), *Biological Invasions* (2012-13), *Biological Journal of the Linnean Society* (2004, 2007), *Biomarkers* (2018), *Biopesticides International* (2012), *BIOS* (2010), *Canadian Journal of Zoology* (2006, 2012-15, 2017-18), *Caribbean Journal of Science* (2005, 2009), *Chemosphere* (2002, 2009, 2011, 2018), *Chinese Journal of Oceanology and Limnology* (2010), *Comparative Biochemistry and Physiology* (2010, 2015), *Conservation Biology* (1998), *Contemporary Herpetology* (2000), *Copeia* (2000-02, 2005, 2007, 2012-13), *Cuadernos de Herpetologia* (2009), *Current Herpetology* (2012), *Ecological Applications* (2006), *Ecology* (2008, 2013), *Ecology and Evolution* (2017-18), *Écoscience* (2016), *Ecotoxicology* (2016), *Ecotoxicology and Environmental Safety* (2014, 2016, 2018), *Endangered Species Research* (2015), *Environmental Management and Assessment* (2016), *Environmental Pollution* (2012, 2017), *Environmental Science and Pollution Research* (2013-15, 2017), *Environmental Science & Technology* (2004, 2012, 2017), *Environmental Toxicology and Chemistry* (2004, 2015, 2017), *Ethology* (2012), *Ethology, Ecology & Evolution* (2006, 2015), *Evolution* (2017), *Fishes* (2017-18), *Functional Ecology* (2001, 2011), *Freshwater Biology* (2015-16), *Fundamental and Applied Limnology* (2008), *Global Change Biology* (2011, 2015-17), *Hamadryad* (2006), *Herpetologica* (1999, 2001, 2007-08, 2016), *Herpetological Conservation and Biology* (2010, 2014-15, 2017-18), *Herpetological Journal* (1996, 1998-99, 2003, 2005, 2007-08, 2015-16, 2018), *Herpetological Natural History* (2001), *Herpetological Review* (1996-97, 2002-04, 2011, 2017, 2019), *Hydrobiologia* (2010, 2018), *Integrative Zoology* (2015-16), *International Journal of Molecular Sciences* (2015), *Journal of Animal Ecology* (2004-05), *Journal of Biogeography* (2017), *Journal of Comparative Psychology* (2012), *Journal of Experimental Zoology Part A* (2009), *Journal of Freshwater Ecology* (2017), *Journal of Herpetology* (1996-1999, 2002-07, 2009, 2012, 2015-18), *Journal of Insect Behavior* (2012-14), *Journal of Natural History* (2008), *Journal of North American Herpetology* (2013), *Journal of Thermal Biology* (2016), *Journal of Toxicology and Environmental Health* (2008-09), *Journal of Zoology* (2004, 2006), *Knowledge and Management of Aquatic Ecosystems* (2016), *Marine and Freshwater Behaviour and Physiology* (2018), *Marine & Freshwater Research* (2009), *Northeastern Naturalist* (2012), *Oecologia* (2004-05, 2010, 2012-13), *Ohio Journal of Science* (2009), *Oikos* (2007-08), *PeerJ* (2014, 2017), *Phyllomedusa* (2004, 2009, 2018), *Reviews in Fish Biology and Fisheries* (2011), *Revista de Biología Tropical* (2009, 2012, 2015), *Salamandra* (2014), *Science of the Total Environment* (2014, 2017-18), *Southeastern Naturalist* (2017), *Southwestern Naturalist* (1997, 1999, 2007), *Toxicological and Environmental Chemistry* (2011, 2013), *Transactions of the Nebraska Academy of Sciences* (1997), *Tropical Conservation Science* (2018), *Western North American Naturalist* (2006, 2008, 2011, 2014), *Wilson Journal* (2018), *ZooKeys* (2017), *Zoological Science* (2012), *Zoological Studies* (2013), *Zoologischer Anzeiger* (2014), *Zoology and Ecology* (2017)

Reviewer for National Science Foundation (2004, 2006, 2008-09, 2011[2x])
Book Chapter Reviewer for Reilly, McBrayer, and Miles, eds. *Evolutionary Consequences of Foraging Mode* (2004)
Book Chapter Reviewer for Hayes et al., eds. *Biology of the Rattlesnakes* (2005)
Book Chapter Reviewer for Hailey et al., eds. *Conservation of Caribbean Island Herpetofaunas* (2010; two chapters)
Vice President, Denison University Chapter of Sigma Xi (2002-03)
Buell Award Judge, Ecological Society of America (2004)
Tenure Reviewer for College of Wooster (2008)
External letter of reference for endowed chair nomination at Alma College (2010)
Doctoral Dissertation Committee Member, Universidad Nacional Autonoma de Mexico – Guillermo A. Woolrich-Piña (2010)
Member, Iguana Specialist Group, IUCN (2013-)
Book Reviewer for Christianson et al., *The Natural History of the Reptiles and Amphibians of Iowa: Volume 1, Snakes and Lizards* (2014)
Judge, E.E. Williams Research Grant, Herpetologists' League (2015)
Preparing Future Faculty mentor (2012-13, 2015-16)
Promotion Reviewer for Lewis & Clark College (2017)

Books:

- Jones, S., and G.R. Smith. 1992. Principles of Ecology, 2nd Edition. University of Nebraska Center for Continuing Studies, Lincoln, Nebraska. [Correspondence Course; Recipient of meritorious award from the National University Continuing Education Association, April, 1993]
- Ballinger, R.E., J.D. Lynch, and G.R. Smith. 2010. Amphibians and Reptiles of Nebraska. Rusty Lizard Press, Oro Valley, AZ.
- Lemos-Espinal, J.A., G.R. Smith, and G.A. Woolrich-Piña. 2012. The Family Xenosauridae in Mexico. ECO Herpetological Publishing, Rodeo, NM.
- Lemos-Espinal, J.A., G.R. Smith, and A. Cruz. 2018. Amphibians and Reptiles of Nuevo León. ECO Herpetological Publishing, Rodeo, NM.

Publications: (* = undergraduate co-author; ^{DU} = Denison undergraduate co-author)

- Iverson, J.B., E.L. Barthelmess, G.R. Smith, and C.E. deRivera. 1991. Growth and reproduction in the mud turtle, *Kinosternon hirtipes* from Chihuahua, México. J. Herpetol. 25: 64-72.
- Smith, G.R. 1992. The return of *Cyclura carinata* to Pine Cay, Turks and Caicos Islands, BWI. Herpetol. Rev. 23: 21-23.
- Smith, G.R. 1992. Sexual dimorphism in the curly-tailed lizard, *Leiocephalus psammmodromus*. Caribb. J. Sci. 28: 99-101.
- Iverson, J.B., and G.R. Smith. 1993. Reproductive ecology of the painted turtle (*Chrysemys picta*) in the Nebraska sandhills and across its range. Copeia 1993: 1-21.
- Smith, G.R., and J.B. Iverson. 1993. Reactions to odor trails in bullsnakes. J. Herpetol. 27: 333-335.
- Smith, G.R., and J.B. Iverson. 1993. Reproduction in the curly-tailed lizard *Leiocephalus psammmodromus* from the Caicos Islands. Can. J. Zool. 71: 2147-2151.
- Smith, G.R., R.E. Ballinger, and J.D. Congdon. 1993. Thermal ecology of the high-altitude bunch grass lizard, *Sceloporus scalaris*. Can. J. Zool. 71: 2152-2155.

- Smith, G.R., and R.E. Ballinger. 1994. Temperature relationships in the high-altitude viviparous lizard, *Sceloporus jarrovi*. *Am. Midl. Nat.* 131: 181-189.
- Smith, G.R., and R.E. Ballinger. 1994. Thermal ecology of *Sceloporus virgatus* from southeastern Arizona, with comparison to *Urosaurus ornatus*. *J. Herpetol.* 28: 65-69.
- Smith, G.R., R.E. Ballinger, and J.W. Nietfeldt. 1994. Elevational variation of growth rates in neonate *Sceloporus jarrovi*: an experimental evaluation. *Funct. Ecol.* 8: 215-218.
- Smith, G.R. 1994. Observations on activity in two lizards (*Anolis scriptus* and *Leiocephalus psammmodromus*). *Bull. Maryland Herpetol. Soc.* 30: 120-125.
- Smith, G.R., and R.E. Ballinger. 1994. Variation in individual growth rates in the tree lizard, *Urosaurus ornatus*: Effects of food and density. *Acta Oecol.* 15: 317-324.
- Smith, G.R., and R.E. Ballinger. 1994. Temporal and spatial variation in individual growth in the spiny lizard, *Sceloporus jarrovi*. *Copeia* 1994: 1007-1013.
- Smith, G.R., and R.E. Ballinger. 1994. Survivorship in a high-elevation population of *Sceloporus jarrovi* during a period of drought. *Copeia* 1994: 1040-1042.
- Smith, G.R. 1994. Morphometry of growth in hatchling striped plateau lizards (Iguanidae: *Sceloporus virgatus*). *Trans. Nebraska Acad. Sci.* 21: 123-126.
- Smith, G.R., and R.E. Ballinger. 1994. Thermal tolerance in the tree lizard (*Urosaurus ornatus*) from a desert population and a low montane population. *Can. J. Zool.* 72: 2066-2069.
- Smith, G.R., J.D. Butler*, and R.E. Ballinger. 1995. Growth and morphometry of hatchling Clark's spiny lizards (*Sceloporus clarki*). *Bull. Chicago Herpetol. Soc.* 30: 1-3.
- Smith, G.R., and R.E. Ballinger. 1995. Substrate preference and perch height selection by hatchling lizards (*Sceloporus virgatus* and *S. clarki*). *Southwestern Nat.* 40: 116-118.
- Smith, G.R., and R.E. Ballinger. 1995. Temperature relationships of the tree lizard, *Urosaurus ornatus*, from desert and low-elevation montane populations in the southwestern USA. *J. Herpetol.* 29: 126-129.
- Smith, G.R. 1995. Observations on perch use in two lizards (*Anolis scriptus* and *Leiocephalus psammmodromus*). *Herpetol. J.* 5: 285-286.
- Smith, G.R., R.E. Ballinger, and B.R. Rose. 1995. Reproduction in *Sceloporus virgatus* from the Chiricahua Mountains of southeastern Arizona with emphasis on annual variation. *Herpetologica* 51: 342-349.
- Smith, G.R. 1995. Home range size, overlap, and individual growth in the lizard, *Sceloporus virgatus*. *Acta Oecol.* 16: 413-421.
- Smith, G.R., and R.E. Ballinger. 1995. Female reproduction in *Urosaurus ornatus* from the Chiricahua Mountains of southeastern Arizona. *Herpetol. Nat. Hist.* 3: 183-186.
- Smith, G.R. 1995. Growth rate as a function of food consumption in hatchling *Sceloporus virgatus* (Sauria: Iguanidae). *Trans. Nebraska Acad. Sci.* 22: 73-76.
- Smith, G.R. 1996. Habitat use and fidelity in the striped plateau lizard, *Sceloporus virgatus*. *Am. Midl. Nat.* 135: 68-80.
- Smith, G.R. 1996. Correlates of approach distance in the striped plateau lizard (*Sceloporus virgatus*). *Herpetol. J.* 6: 56-58.
- Lemos-Espinal, J.A., G.R. Smith, and R.E. Ballinger. 1996. Covariation of egg size, clutch size, and offspring survivorship in the genus *Sceloporus*. *Bull. Maryland Herpetol. Soc.* 32: 58-66.
- Smith, G.R. 1996. Annual life-history variation in the striped plateau lizard, *Sceloporus virgatus*. *Can. J. Zool.* 74: 2025-2030.

- Smith, G.R. 1996. Habitat use and its effect on body size distribution in a population of the tree lizard, *Urosaurus ornatus*. J. Herpetol. 20: 528-530.
- Lemos-Espinal, J.A., G.R. Smith, and R.E. Ballinger. 1996. Ventral blue coloration and sexual maturation in male *Sceloporus gadoviae*. J. Herpetol. 30: 546-548.
- Smith, G.R. 1996. Tail loss in the striped plateau lizard, *Sceloporus virgatus*. J. Herpetol. 30: 552-555.
- Smith, G.R., and J.E. Rettig. 1996. Effectiveness of aquatic funnel traps for sampling amphibian larvae. Herpetol. Rev. 27: 190-191.
- Ballinger, R.E., G.R. Smith, and J.W. Nietfeldt. 1996. Elevational variation in age at maturity in *Sceloporus jarrovi*: an experimental evaluation. Southwestern. Nat. 41: 179-182.
- Smith, G.R., J.W. Rowe, and R.E. Ballinger. 1996. Intraspecific life history variation in *Sceloporus undulatus*: a factor analysis. Trans. Nebraska Acad. Sci. 23: 85-90.
- Lemos-Espinal, J.A., G.R. Smith, and R.E. Ballinger. 1996. Natural history of the Mexican knob-scaled lizard, *Xenosaurus rectocollaris*. Herpetol. Nat. Hist. 4: 151-154.
- Smith, G.R. 1996. Mites on striped plateau lizards (*Sceloporus virgatus*: Phrynosomatidae): abundance, distribution, and effects on host growth. Herpetol. Nat. Hist. 4: 175-180.
- Lemos-Espinal, J.A., G.R. Smith, and R.E. Ballinger. 1997. Temperature relationships of the tropical tree lizard (*Urosaurus bicarinatus*) from the Cañón del Zopilote, Guerrero, México. Herpetol. J. 7: 26-27.
- Lemos-Espinal, J.A., G.R. Smith, and R.E. Ballinger. 1997. Thermal ecology of the lizard, *Sceloporus gadoviae*, from an arid tropical scrub forest. J. Arid Environ. 35: 311-319.
- Lemos-Espinal, J.A., G.R. Smith, and R.E. Ballinger. 1997. Neonate-female associations in *Xenosaurus newmanorum*: a case of parental care in a lizard?. Herpetol. Rev. 28: 22-23.
- Lemos-Espinal, J.A., G.R. Smith, and R.E. Ballinger. 1997. Body temperatures of *Sceloporus ochoteranae* from two populations in Guerrero, México. Herpetol. J. 7: 74-76.
- Smith, G.R., J.A. Lemos-Espinal, and R.E. Ballinger. 1997. Sexual dimorphism in two species of knob-scaled lizards (genus *Xenosaurus*) from México. Herpetologica 53: 200-205.
- Smith, G.R. 1997. Substrate shifts in a population of striped plateau lizards, *Sceloporus virgatus*. Herpetol. J. 7: 116-118.
- Lemos-Espinal, J.A., R.E. Ballinger, S.S. Sarabia, and G.R. Smith. 1997. Aggregation behavior of the lizard *Sceloporus mucronatus mucronatus* in Sierra del Ajusco, México. Herpetol. Rev. 28: 126-127.
- Lemos-Espinal, J.A., G.R. Smith, and R.E. Ballinger. 1997. Observations on the body temperatures and natural history of some Mexican reptiles. Bull. Maryland Herpetol. Soc. 33: 159-164.
- Lemos-Espinal, J.A., H.M. Smith, R.E. Ballinger, G.R. Smith, and D. Chiszar. 1997. A herpetological collection from northern Chihuahua, México. Bull. Chicago Herpetol. Soc. 32: 198-201.
- Lemos-Espinal, J.A., R.E. Ballinger, S.S. Sarabia, and G.R. Smith. 1997. Thermal ecology of the lizard *Sceloporus mucronatus mucronatus* in Sierra del Ajusco, México. Southwestern Nat. 42: 344-347.
- Smith, G.R. 1997. Growth of reproducing and non-reproducing female lizards (*Sceloporus virgatus*). J. Herpetol. 31: 576-578.
- Smith, G.R. 1997. The effects of aeration on amphibian larval growth: an experiment with bullfrog (*Rana catesbeiana*) tadpoles. Trans. Nebraska Acad. Sci. 24: 63-66.

- Lemos-Espinal, J.A., G.R. Smith, and R.E. Ballinger. 1997. Natural history of *Xenosaurus platyceps*, a crevice-dwelling lizard from Tamaulipas, México. *Herpetol. Nat. Hist.* 5: 181-186.
- Lemos-Espinal, J.A., G.R. Smith, and R.E. Ballinger. 1998. Thermal ecology of the crevice-dwelling lizard, *Xenosaurus newmanorum*. *J. Herpetol.* 32: 141-144.
- Ballinger, R.E., J.A. Lemos-Espinal, and G.R. Smith. 1998. Thermal tolerance of five species of lizard from Mexico and the southwestern USA. *Bull. Maryland Herpetol. Soc.* 34: 1-14.
- Lemos-Espinal, J.A., H.M. Smith, R.E. Ballinger, G.R. Smith, and D. Chiszar. 1998. A contribution to the superspecies concept of the lizard *Sceloporus undulatus*: *S. u. belli*, a species. *Southwestern Nat.* 43: 20-24.
- Lemos-Espinal, J.A., G.R. Smith, and R.E. Ballinger. 1998. Temperature relationships of the lizard, *Barisia imbricata* from México. *Amphibia-Reptilia* 19: 95-99.
- Smith, G.R. 1998. Habitat-associated life history variation within a population of striped plateau lizards, *Sceloporus virgatus*. *Acta Oecol.* 19: 167-173.
- Cooper, W.E. Jr., J.A. Lemos-Espinal, and G.R. Smith. 1998. Presence and effect of defensiveness or context on detectability of prey chemical discrimination in the lizard *Xenosaurus platyceps*. *Herpetologica* 54: 409-413.
- Lemos-Espinal, J.A., R.E. Ballinger, and G.R. Smith. 1998. Comparative demography of the high altitude lizard *Sceloporus grammicus* (Phrynosomatidae) on the Iztaccihuatl Volcano, Puebla, México. *Great Basin Nat.* 58: 375-379.
- Smith, G.R., and J.E. Rettig. 1998. Observations on egg masses of the American toad (*Bufo americanus*). *Herpetol. Nat. Hist.* 6: 61-64.
- Smith, G.R. 1998. Abundance and water volume effects in amphibian larvae. *Bull. Maryland Herpetol. Soc.* 34: 113-117.
- Smith, G.R. 1999. Among family variation in tadpole (*Rana catesbeiana*) responses to density. *J. Herpetol.* 33: 167-169.
- Lemos-Espinal, J.A., G.R. Smith, and R.E. Ballinger. 1999. Reproduction in Gadow's spiny lizard, *Sceloporus gadovae*, from arid tropical México. *Southwestern Nat.* 44: 57-63.
- Smith, G.R. 1999. *Sceloporus virgatus*. Prey. *Herpetol. Rev.* 30: 42.
- Smith, G.R., and L.D. Johnson*. 1999. New Missouri amphibian and reptile distribution records from a catalogued college teaching collection. *Herpetol. Rev.* 30: 58-59.
- Smith, G.R. 1999. Microhabitat preferences of bullfrog tadpoles of different ages. *Trans. Nebraska Acad. Sci.* 25: 73-76.
- Smith, G.R., J.E. Rettig, G.G. Mittelbach, J.L. Valiulis*, and S.R. Schaack*. 1999. The effects of fish on assemblages of amphibians in ponds: a field experiment. *Freshwater Biol.* 41: 829-837.
- Lemos-Espinal, J.A., R.E. Ballinger, and G.R. Smith. 1999. *Ambystoma rivulare*. Cannibalism. *Herpetol. Rev.* 30: 159.
- Lemos-Espinal, J.A., G.R. Smith, R.E. Ballinger, and A. Ramirez-Bautista. 1999. Status of protected endemic salamanders (*Ambystoma*: Ambystomatidae: Caudata) in the Transvolcanic Belt of México. *British Herpetol. Soc. Bull.* 69: 1-4.
- Smith, G.R., J.A. Dilts, P.W. Gabrielson, D.P. Heruth, J.E. Rettig, and A.F. Strautman. 1999. Using laptops in the biology classroom and laboratory. *Bioscene: Journal of College Biology Teaching* 25: 11-12.
- Golden, D.*, G.R. Smith, and J.E. Rettig. 2000. Effects of age and group size on habitat selection and activity levels of *Xenopus laevis* tadpoles. *Trans. Nebraska Acad. Sci.* 26: 23-27.

- Smith, G.R., R.E. Ballinger, and J.A. Lemos-Espinal. 2000. Male reproductive cycle of the knob-scaled lizard, *Xenosaurus grandis*. *Southwestern Nat.* 45: 356-357.
- Smith, G.R., J.E. Rettig, A.M. Frahm, and P.W. Gabrielson. 2000. Prediction generation and testing: an exercise using plant distributions. *Bioscene: Journal of College Teaching* 26: 19-21.
- Ballinger, R.E., J.A. Lemos-Espinal, and G.R. Smith. 2000. Reproduction in females of three species of crevice-dwelling lizards (genus *Xenosaurus*) from México. *Stud. Neotrop. Fauna Environ.* 35: 179-183.
- Ballinger, R.E., G.R. Smith, and J.A. Lemos-Espinal. 2000. *Xenosaurus*. *Catalogue of American Amphibians and Reptiles* 712: 1-3.
- Ballinger, R.E., J.A. Lemos-Espinal, and G.R. Smith. 2000. *Xenosaurus grandis*. *Catalogue of American Amphibians and Reptiles* 713: 1-4.
- Lemos-Espinal, J.A., R.E. Ballinger, and G.R. Smith. 2000. *Xenosaurus newmanorum*. *Catalogue of American Amphibians and Reptiles* 714: 1-2.
- Smith, G.R., J.A. Lemos-Espinal, and R.E. Ballinger. 2000. *Xenosaurus platyceps*. *Catalogue of American Amphibians and Reptiles* 715: 1-2.
- Lemos-Espinal, G.R. Smith, and R.E. Ballinger. 2000. *Xenosaurus rectocollaris*. *Catalogue of American Amphibians and Reptiles* 716: 1.
- Smith, G.R., M.A. Waters*, and J.E. Rettig. 2000. Consequences of embryonic UV-B exposure on the growth and development of plains leopard frog tadpoles (*Rana blairi*). *Conserv. Biol.* 14: 1903-1907.
- Lemos-Espinal, J.A., G.R. Smith, H.M. Smith, and R.E. Ballinger. 2000. Diet of *Gambelia wislizenii* from Chihuahua, México. *Bull. Maryland Herpetol. Soc.* 36: 115-118.
- Smith, G.R. 2001. Teaching primary literature in an introductory course through the use of progressively guided literature explorations. *J. College Sci. Teach.* 30: 465-469.
- Golden, D. *, G.R. Smith, and J.E. Rettig. 2001. Effects of age and group size on habitat selection and activity levels of *Rana pipiens* tadpoles. *Herpetol. J.* 11: 69-73.
- Smith, G.R., and R.E. Ballinger. 2001. The ecological consequences of habitat and microhabitat use in lizards: a review. *Contemporary Herpetol.* [<http://dataserver.calacademy.org/herpetology/herpdocs/ch/2001/3/index.htm>] published 18 July 2001.
- Durnin, K.B. *, and G.R. Smith. 2001. Effects of changes in water volume on the tadpoles of two species of anurans (*Pseudacris triseriata* and *Rana blairi*). *J. Freshwater Ecol.* 16: 411-414.
- Smith, G.R. 2001. Effects of acute exposure to a commercial formulation of glyphosate on the tadpoles of two species of anurans. *Bull. Environ. Contam. Toxicol.* 67: 483-488.
- Lemos-Espinal, G.R. Smith, and R.E. Ballinger. 2001. Sexual dimorphism and body temperatures of *Sceloporus siniferus* from Guerrero, México. *Western North Amer. Nat.* 61: 498-500.
- Lemos-Espinal, G.R. Smith, and R.E. Ballinger. 2001. Sexual dimorphism in *Abronia graminea* from Veracruz, México. *Herpetol. Nat. Hist.* 8: 91-93.
- Smith, G.R. 2002. *Pseudacris crucifer*. Predation. *Herpetol. Rev.* 33: 48.
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- Fraker, S.L.^{DU}, and G.R. Smith. 2003. The effects of exposure to organic wastewater contaminants on African clawed frog (*Xenopus laevis*) and northern leopard frog (*Rana pipiens*) tadpoles. Midwest Ecology and Evolution Conference. Akron, OH.
- Smith, G.R., and A.A. Burgett^{DU}. 2004. Effects of productivity and community composition on experimental tadpole communities. Ecological Society of America meeting. Portland, OR.
- Gray, N.R.^{DU}, J.E. Rettig, and G.R. Smith. 2006. Zooplankton responses to manipulations of fish predators and amphibian competitors. Ohio Academy of Science meeting, Dayton, OH.
- Burgett, A.A.^{DU}, and G.R. Smith. 2006. Behavioral responses of *Plethodon cinereus* salamanders towards potential competitors. Ohio Academy of Science meeting, Dayton, OH.
- Crouse, E.R.^{DU}, J.E. Rettig, and G.R. Smith. 2006. Identification of unknown tadpoles using allozyme variation. Ohio Academy of Science meeting, Dayton, OH.
- Rettig, J.E., and G.R. Smith. 2006. Class research projects in ecology courses: Methods to un-“can” the experience. Ecological Society of America meeting, Memphis, TN.
- Dayer, C.B.^{DU}, C.J. Dibble^{DU}, and G.R. Smith. 2007. Variation in American toad tadpole and metamorph performance among three ponds. Joint Meeting of Ichthyologists and Herpetologists, St. Louis, MO.

- Dibble, C.J.^{DU}, J.E. Rettig, and G.R. Smith. 2008. Relative strength of top-down and bottom-up effects in a simple aquatic food web that includes an invasive fish. Ecological Society of America meeting, Milwaukee, WI.
- Rettig, J.E. and G.R. Smith. 2008. Double duty courses: Using an ecology course to fulfill a general education requirement for oral communication. Ecological Society of America meeting, Milwaukee, WI.
- Smith, G.R. 2008. Ecology's role in solving environmental problems: A module-based environmental science course for non-majors. Ecological Society of America meeting, Milwaukee, WI.
- Smith, G.R., C.J. Dibble^{DU}, and J.E. Rettig. 2008. Small fish, big effects: The impacts of mosquitofish and ammonium nitrate on tadpoles, zooplankton, and phytoplankton. Ecological Society of America meeting, Milwaukee, WI.
- Sierra Rodríguez, I., G.A. Woolrich Piña, L. Oliver López, J.A. Lemos-Espinal, and G.R. Smith. 2010. Eficiencia termorreguladora y ecología térmica de la lagartija *Anolis nebulosus* que habita en una selva seca en Xalisco, Nayarit, México. 1er Congreso sobre la Investigación y la Conservación de Anfibios y Reptiles. San Cristóbal de las Casas, Chiapas, Mexico.
- Burger, A.C.^{DU}, G.R. Smith, and J.E. Rettig. 2011. Competition between invasive mosquitofish and native bluegill sunfish. Ecological Society of America meeting, Austin, TX.
- Woolrich-Piña, G.A., J.A. Lemos-Espinal, G.R. Smith, L.E. Ávila-Bocanegra, and L. Oliver-López. 2011. Eficiencia termorreguladora de la lagartija *Plesiodon lynxe* (Scincidae) que habita en un Bosque Mesófilo al Noroeste de Puebla, México. 2º Congreso Nacional sobre la Investigación y la Conservación de Anfibios y Reptiles. Universidad de Guadalajara.
- Woolrich-Piña, G.A., J.A. Lemos-Espinal, G.R. Smith, L. Oliver-López, and R. Montoya-Ayala. 2011. Ecología de *Xenosaurus rectocollaris* que habita en el valle de Tehuacán, Puebla, México. 2º Congreso Nacional sobre la Investigación y la Conservación de Anfibios y Reptiles. Universidad de Guadalajara.
- Lemos-Espinal, J.A., G.A. Woolrich-Piña, and G.R. Smith. 2014. Hábitos alimentarios de una población de *Ambystoma altamiranoi* en la Sierra de las Cruces, Estado de México, México. X Congreso Latinoamericano de Herpetología, Cartagena, Colombia.
- Lemos-Espinal, J.A., G.A. Woolrich-Piña, G.R. Smith, and R. Montoya-Ayala. 2014. Uso de espacios por una población de *Ambystoma altamiranoi* de la Sierra de las Cruces, Estado de México. X Congreso Latinoamericano de Herpetología, Cartagena, Colombia.
- Woolrich-Piña, G.A., J.A. Lemos-Espinal, G.R. Smith, N. Martínez-Méndez, F.R. Méndez-de la Cruz, B. Sinervo, R.A. Lara-Resendiz, J.P. Ramírez-Siva, and D. Miles. 2014. Eficiencia térmica de la familia Xenosauridae (Squamata: Lacertilia) a lo largo de su distribución geográfica en México. X Congreso Latinoamericano de Herpetología, Cartagena, Colombia.
- Reding, J.A., G.R. Smith, J.E. Rettig, R.N. Homan, D.J. Spieles, T.D. Schultz, A.C. McCall, and B.J. Sodergren. 2016. The Granville School Land Lab: A K-12/college/government teaching & research collaboration. Ecological Society of America meeting, Ft. Lauderdale, FL.
32. Woolrich-Piña, G.A., R.A. Lara-Resendiz, F.R. Méndez-de la Cruz, N. Martínez-Méndez, J.A. Lemos-Espinal, G.R. Smith, H. Gadsden-Esparza, B. Sinervo, and D. Miles. 2017. Susceptibilidad de la familia Xenosauridae (Squamata) en México ante el cambio

climático. 5° Congreso Nacional de la Asociación para la Investigación y Conservación de los Anfibios y Reptiles, San Miguel de Allende, Mexico.

Invited Presentations: (* = undergraduate co-author; ^{DU} = Denison undergraduate co-author)

- Smith, G.R. 1993. Intrapopulational life history variation in *Sceloporus virgatus*: preliminary observations. *Sceloporus* Symposium, American Society of Ichthyologists and Herpetologists/Herpetologists' League/Society for the Study of Amphibians and Reptiles meetings. Austin, TX.
- Smith, G.R. 1995. Sources of growth rate variation in a population of striped plateau lizard (*Sceloporus virgatus*). Natural History of Amphibians and Reptiles Symposium. American Society of Ichthyologists and Herpetologists/Herpetologists' League meetings. Edmonton, Alberta, Canada.
- Dilts, J., D. Heruth, J. Rettig, and G. Smith. 1998. William Jewell College case study: Creating a student-driven learning environment. Enhancing Learning-Centered Environments: The Biology of the Future. Project kaleidoscope Workshop. Liberty, MO.
- Smith, G.R., J.E. Rettig, and H.A. Dingfelder^{DU}. 2003. Stressor effects on amphibian larval communities: Integrated experiments on the effects of nitrate. Annual Year-end Workshop of the Amphibian Research and Monitoring Initiative, US Geological Survey. Austin, TX.
- Smith, G.R. 2008. Effects of mosquitofish (*Gambusia affinis*) on the tadpoles of Ohio frogs and toads. Ohio Amphibian Research and Conservation Conference, Columbus, OH.
- Smith, G.R. 2008. Alien visitors: Friends or foes. Ohio Certified Volunteer Naturalists – Licking County Chapter.
7. Smith, G.R., and J.J. Harmon^{DU}. 2012. Influence of the invasive mosquitofish (*Gambusia affinis*) on oviposition and colonization success of Gray Treefrogs (*Hyla versicolor*) in experimental mesocosms. Ohio Amphibian Research and Conservation Conference, Columbus, OH.

Invited Seminars or Lectures

- 1995 Baylor University
Kellogg Biological Station (Michigan State University)
Southwestern College (KS)
- 1996 Earlham College
University of the South
- 1997 Kenyon College
Mercer University
University of St. Thomas (MN)
William Jewell College
- 1999 Centre College
Eastern Illinois University
- 2000 Bradley University
Denison University
- 2004 The College of Wooster
- 2009 The College of Wooster
- 2010 Kendal at Granville
- 2011 Ohio Wesleyan University

2014 The College of Wooster
2016 Kendal at Granville
2017 Lifelong Learning Institute, Central Ohio Technical College