

VITA
Troy A. Ladine
Professor
East Texas Baptist University
Murphy Science 108A, phone: 2249
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EDUCATION:

- Ph.D. The University of Memphis (Memphis, TN) Aug. 1990 - Dec. 1995
Dissertation Title: Ecology of co-occurring populations of
Virginia opossums (*Didelphis virginiana*) and raccoons
(*Procyon lotor*).
- M.A. The University of South Dakota (Vermillion, SD) Aug. 1982 - May 1984
Thesis Title: Development of the kittens and the social
behavior of domestic cats (*Felis catus*) in a free-ranging
population
- B.S. Bartlesville Wesleyan College (Bartlesville, OK) Aug. 1978 - May 1980

TEACHING EXPERIENCE:

- Assistant Professor / Associate Professor / Professor Aug. 2001 - Present
East Texas Baptist University
- Assistant Professor Aug 2000 – May 2001
Dana College (Blair, Ne)
- Assistant Professor Aug. 1997 – May 2000
- Adjunct Professor Aug. 1996- May 1997
The State Technical Institute of Memphis (Memphis, TN)
- Adjunct Professor Aug. 1996- May 1997
Shelby State Community College (Memphis, TN)
- Adjunct Professor Jan. 1996 - May 1996
The University of Memphis (Memphis, TN)
- Graduate Teaching Assistant Aug 1990 - Dec 1995
The University of Memphis (Memphis, TN)
- Graduate Teaching Assistant Aug 1982 – May 1984
The University of South Dakota (Vermillion, SD)

Related Teaching Experience

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|--|----------------|
| • Faculty sponsor for ETBU Collegiate Chapter of the Texas Academy of Science | 2010-Present |
| • Directed an internship concerning the small mammal population on East Texas Baptist University's environmental studies area | 2006 - Present |
| • Established research projects involving undergraduate students. This project has involved over 40 students in various parts of the research. | 2002 - Present |
| • Developed a non-majors biodiversity course to supplement the general education curriculum at East Texas Baptist University | 2017 |
| • Wrote a lab manual for General Biology I and II | 2017 |
| • Developed a lab manual for Life Science, non-majors biology course | 2004 |
| • Developed an Evolutionary Biology course for biology majors to supplement the curriculum for secondary education majors at East Texas Baptist University | 2003 |
| • Developed a lab manual with Dr. Roy Darville for use in the Introductory Environmental Science course at East Texas Baptist University. | 2002 |
| • Developed a human anatomy and physiology course for education majors at Bethel College. This course was intended to give special education and secondary education majors a working background in human anatomy and physiology that can be applied to their field. | 1999 |
| • Responsible for implementation of the Institutional Effectiveness Plan for the Pre-Nursing Program at Bethel College, McKenzie, TN. | 1998-2000 |
| • Developed a Biology course for non-majors at Bethel College, McKenzie, 1998. This course was intended to give the non-major a conceptual understanding of Biology and its applications to their lives. | 1998 |
| • Developed a Lab Manual for Introductory Biology courses at Bethel College, McKenzie, TN. | 1997 |

OTHER WORK EXPERIENCE:

Soil Conservation Technician	1984-1990
USDA / Soil Conservation Service (Sidney, NE; Window Rock, AZ; Holbrook, AZ)	
Designed and directed water and soil conservation measures.	
Computer System Administrator for Soil Conservation Service (Window Rock, AZ Field Office)	
Consultant	1985
South Platte Natural Resources District (Sidney, NE)	
Researched and wrote the groundwater management plan	
Assisted University of Nebraska Field Station research on groundwater flow through the Brule Aquifer.	
Quality Control Technician	1984-1985
Pfizer, Inc. (Sidney, NE)	
Wet and instrumental biochemical analysis of raw and processed hops.	
Research Technician	1981-1982
Phillips Petroleum Company (Bartlesville, OK)	
Geochemistry Division / Geology Branch	
Wet and instrumental analysis of petroleum samples, Ground-truthing for satellite data, Microbial analysis for detection of crude oil samples	

PROFESSIONAL DEVELOPMENT EXPERIENCES:

Research

• Survey of meso-carnivores in an urban area using camera traps	2014 - Present
• Activity of white-tailed deer in an urban area using camera traps	2015 – 2021
• Social behavior of raccoons in an urban area	2014 - 2017
• Conducted a mark-recapture study on correlations between habitat use and scale of habitat measurement in a small mammal community	2002 - 2014
• Interactions of Virginia opossums and raccoons and the demographics of each species	1990-1995
• Social behavior, food habits and growth of domestic cats	1982-1984

Undergraduate Research Projects Directed

• Effect of summer temperatures on mammalian activity	2022 - 2023
• Effect of intermittent noise on medium-sized mammals	2022 - 2023
• Behavior of white-tailed deer (published)	2014 - 2020
• Small mammal habit use with tracking-tubes	2013 - 2020
• Food habits of raccoons in an urban ecosystem	2015 - 2017
• Presence of glandular tissue in the carpal region of raccoons	2015 - 2016
• Survey of bats on the ETBU campus	2014 - 2015
• Interaction of beaver with forest canopy (published)	2011- 2012
• Movement patterns of white-tailed deer in an urban ecosystem	2007

PROFESSIONAL DEVELOPMENT EXPERIENCES: (cont)
Undergraduate Research Projects Directed (cont)

- Habitat use of southern short-tailed shrews (*Blarina carolinensis*; published) 2002 - 2003
- Food habits of southern short-tailed shrews (*Blarina carolinensis*; published) 2002 - 2003
- Effects of caffeine on weights of rats 2000 - 2001
- Effects of prenatal ethanol exposure on *Mus domesticus* 2000 - 2001
- Reproduction in raccoons 1994 - 1995
- Microhabitat use of *Peromyscus leucopus* (published) 1994 - 1995

Successful Honors' Projects

- Cameron Castles 2020 – 2022
 Project Title: Interaction of co-occurring populations of raccoons (*Procyon lotor*) and Virginia opossums (*Didelphis virginiana*) in an urban ecosystem (Texas Academy of Science Award Winner)
- Brittney Garner: 2014 - 2015
 Project Title: Analysis of the plant community after 10 years of succession
- Adam Hawbaker: 2014 - 2015
 Project Title: Modeling the metabolic requirements of the pre-Cretaceous Odonata (Texas Academy of Science Award Winner)
- Michelle Ray: 2013 - 2014
 Project Title: Road mortality of meso-carnivores and the relationship to evolution: Natural selection or drift. (published)
- Lya Swanner 2012 - 2013:
 Project Title: Metabolic water requirements of the genus *Peromyscus*
- Melodie Blackmon: 2012 - 2013
 Project Title: Review of the role of pigment epithelial derived factor in metastatic prostate cancer
- Cullen Pressley: 2011 - 2012
 Project Title: A Comparison of the Woody Vegetation in Adjacent Upland and Riparian Areas Inhabited by Beaver (*Castor canadensis*; published)
- Laura Corley: 2007 – 2008
 Project Title: On Quantum Mechanics and Free-Will

Committee Member for Successful Honors' Projects

- Jenny Utterback: 2013 - 2015
Project Title: Anterior cruciate ligament injuries: a review of the literature
- Monique Cowhart: (Co-Chair) 2008 - 2009
Project Title: A Review of Periodontal Disease and the interrelationship between oral health with cardiovascular disease, diabetes, and HIV/AIDS
- Lynn Wartburg: 2009 - 2010
Project Title Longhorn Army Ammunition Plant: Social and Environmental Consequences in East Texas

Reviewer and Editor

- Member of Conservation Committee for Southwestern Association of Naturalists 2017-Present
- Editorial board member *Journal of Wildlife and Biodiversity* 2017-Present
- Chair Conservation Ecology Committee; Texas Academy of Science 2013-Present
- Judge student research at Texas Academy of Science Annual Meeting 2012-Present
- Associate editor for the *Southwestern Naturalist*: 2008-Present
- Member of review committee for *Understanding Evolution* 2009-2020
- Munoz, A. "*Littorina irrorata*" (On-line), Animal Diversity Web. 2005
http://animaldiversity.ummz.umich.edu/site/accounts/information/Littorina_irrorata.html
- Associate editor of the *Interpretive Birding Bulletin*: 2003-2005
- Reviewer for *Southwestern Naturalist*, *Pakistan Journal of Wildlife*, *Journal of Wildlife Management*, *Ecology*, *Journal of the Tennessee Academy of Science*, *Canadian Journal of Zoology*, *Biodiversity*, *Animals*, *Sustainability*, *Zoological and Botanical Gardens*
- *Quarterly Review of Biology* – reviewed the book *Raccoons: A Natural History* by Samuel Zeveloff
- McGraw-Hill Publishers – wrote end of chapter questions for Environmental Science Textbook
- Cambridge University Press – reviewed selected chapters for Ecology in Action
- Benjamin/Cummings Publishing – review selected chapters for ecology, general biology texts
- McGraw-Hill Publishers – review selected chapters for ecology, general biology, environmental science texts
- W. H. Freeman Publishers – reviewed chapter for general biology texts
- reader for AP biology exams

Other Professional Experience

- Participated in a Critical Thinking workshop through Chautauqua Short Course Program
- Director of animal room at Dana College
- Maintenance of Biology Department web site at Bethel College
- Implemented a web site for the Biology Department at Bethel College.
- Project coordinator for two successful research projects with the Bureau of Business and Economic Research at the University of Memphis. Projects Involved design and data analysis. Results of the projects included creation of off-campus educational centers and preliminary development of a research center.
- Knowledge of the application of Geographical Information Systems.
- Knowledge of the use and application of R

Professional Memberships

- Texas Academy of Science
 - Chair of Conservation Ecology Section 2013 – 2015; 2019-Present
 - Vice-Chair of Conservation Ecology Section 2010 - 2013; 2017 - 2018
- Texas Society of Mammalogists
- Southwestern Association of Naturalists
 - Editorial Board 2008-Present
 - Member Conservation Ecology Committee 2018-Present
- Union of Concerned Scientists
- National Center for Science Education

Conferences Attended

- East Texas Research Conference 2019
- Southwestern Association of Naturalists 2018
- Southwestern Association of Naturalists (presented) 2005
- Texas Academy of Science (presented) 2012-Present
- Texas Academy of Science 2011
- Ecological Society of America 2006

PRESENTATIONS AND PUBLICATIONS:

Refereed Publications

Ladine, T. A. Submitted. Effects of domestic dogs on the activity of a mammalian community in an urban system. *Journal of Wildlife and Biodiversity*

Castles, C., and **T. A. Ladine**. Submitted. Interaction of co-occurring populations of raccoons (*Procyon lotor*) and Virginia opossums (*Didelphis virginiana*) in an urban ecosystem. *Texas Journal of Science*

Ladine, T. A. 2021. The red wolf (*Canis rufus*) in east Texas. *Southwestern Naturalist*. 65:52-56

Refereed Publications (cont.)

- Ladine, T. A.** 2021. Cover picture for *The Southwestern Naturalist*. Vol. 65
- Ladine, T. A.** and L. Settles. 2020. Nighttime activity of white-tailed deer (*Odocoileus virginianus*) in relation to lunar cycle and cloud cover. *Southeastern Naturalist* 19:325-332.
- Ladine, T. A.** 2019. Unusual number of juvenile armadillos (*Dasyus novemcinctus*) with and adult. *The Southwestern Naturalist* 69:66-69.
- Ray, M. and **T. A. Ladine**. 2017. Factors affecting vehicle induced mortality in Raccoons (*Procyon lotor*). *Texas Journal of Science* 69:183-189.
- Ladine, T. A.** 2017. Activity patterns and social organization of raccoons (*Procyon lotor*). *Journal of Wildlife and Biodiversity*. 1:34-46.
- Pressley, C. and **T. A. Ladine**. 2016. A Comparison of the Woody Vegetation in Adjacent Upland and Riparian Areas Inhabited by Beaver (*Castor canadensis*). *Texas Journal of Science*. 66:85-93
- Ladine, T. A.** 2014. Aggressive encounter of a group of blue jays (*Cyanocitta cristata*) toward a group of scissor-tailed flycatchers (*Tyrannus forficatus*). *The Southwestern Naturalist*. 59:407-409.
- Ladine, T. A.** and A. Munoz. 2010. Microhabitat use of *Blarina carolinensis* (southern short-tailed shrew) in east Texas. *Texas Journal of Science*. 62:287-296
- Ladine, T. A.** and A. Munoz. 2010. Food Habits of the Southern Short-Tailed Shrew (*Blarina carolinensis*) in East Texas. *Texas Journal of Science*. 62:153-157
- Ladine, T. A.** 2009. Attitudes of Students at a Private Christian Liberal-Arts University Toward the Teaching of Evolution. *Evolution: Education and Outreach*. 2:386-392.
- Ladine, T. A.** 2003. Review of Raccoons: A Natural History. *Quarterly Review of Biology*. 78:105.
- Ladine, T. A.** 1999. Allometry of the home-range of the Virginia opossum (*Didelphis virginiana*). *Journal of the Tennessee Academy of Science*. 74:90-94.
- Kollars, T. M., Jr., and **T. A. Ladine**. 1999. Patterns of infestation by *Dermacentor variabilis* (Acari: Ixodidae) in a mark-recapture study of raccoons *Procyon lotor* (Mammalia: Carnivora) and Virginia opossums *Didelphis virginiana* (Mammalia: Didelphimorphia) in Tennessee. *The Journal of Medical Entomology*, 36:263-267.
- Ladine, T. A.**, 1998. Relationship of mass and girth in raccoons, *Procyon lotor* (Mammalia: Procyonidae) in western Tennessee. *Brimleyana*, 25:91-98.
- Ladine, T. A.**, and A. Ladine. 1998. A multiscale approach to capture patterns and habitat correlation of *Peromyscus leucopus*. *Brimleyana*, 25:99-109.
- Ladine, T. A.** 1997. Foraging activity patterns of co-occurring populations of Virginia opossums (*Didelphis virginiana*) and raccoons (*Procyon lotor*). *Mammalia*, 61:345-360.
- Ladine, T. A.**, and R. E. Kissell, Jr. 1994. Escape behavior of Virginia opossums. *The American Midland Naturalist*, 132:234-238.
- Ladine, T. A.** 1985. Technical report of the groundwater management plan of the South Platte Natural Resources District, Nebraska. South Platte Natural Resources District. Sidney, NE.

Published Abstracts

- Willis-Rosa, M. and **T.A. Ladine**. 2023. Effect of summer temperatures on mammalian activity. *Program of the 126th Annual Meeting of the Texas Academy of Science*.
- Hammerbach, G. and **T. A. Ladine**. Effect of intermittent noise on medium-sized mammals. *Program of the 126th Annual Meeting of the Texas Academy of Science*.
- T. A. Ladine**. 2022. Interaction of domestic dogs (*Canis lupus familiaris*) and selected medium and large mammals. *Program of the 125th Annual Meeting of the Texas Academy of Science*.
- Castles, C. D. and **T. A. Ladine**. 2022. Interaction between co-occurring populations of raccoons (*Procyon lotor*) and Virginia opossums (*Didelphis virginiana*). *Program of the 125th Annual Meeting of the Texas Academy of Science*.
- Castles, C. D. and **T. A. Ladine**. 2021. Interaction between co-occurring populations of raccoons (*Procyon lotor*) and Virginia opossums (*Didelphis virginiana*). *Program of the 124th Annual Meeting of the Texas Academy of Science*.
- Sitgreaves, S. and **T. A. Ladine**. 2021. Activity patterns of gray fox (*Urocyon cinereoargenteus*) in an urban system. *Program of the 124th Annual Meeting of the Texas Academy of Science*.
- Courtney, D. and **T. A. Ladine**. 2021. Shifts in seasonal activity patterns of male whit-tailed deer (*Odocoileus virginianus*) in an urban system. *Program of the 124th Annual Meeting of the Texas Academy of Science*.
- Settles, L. and **T. A. Ladine**. 2020. Effect of domestic dogs on the activity of white-tailed deer (*Odocoileus virginianus*). *Program of the 123rd Annual Meeting of the Texas Academy of Science*.
- Alexander, M., A. Lopez, and **T. A. Ladine**. 2020. Three-year assessment of small mammals in an urban ecosystem. *Program of the 123rd Annual Meeting of the Texas Academy of Science*.
- Settles, L. and **T. A. Ladine**. 2019. Response in activity patterns of white-tailed deer (*Odocoileus virginianus*) to lunar cycles and cloud cover. *Program of 122nd Annual Meeting of The Texas Academy of Science*.
- Barnes, H. and **T. A. Ladine**. 2019. Use of landscape shrubs by mammals. *Program of 122nd Annual Meeting of The Texas Academy of Science*.
- Alexander, M., A. Lopez, and **T. A. Ladine**. 2019. Comparison of tracking-tubes and camera-traps for assessment of relative abundance of small mammals. *Program of 122nd Annual Meeting of The Texas Academy of Science*.
- Settles, L. and **T. A. Ladine**. 2018. Activity patterns of white-tailed deer (*Odocoileus virginianus*) in an urban ecosystem. *Program of 120th Annual Meeting of The Texas Academy of Science*.
- Word, A, L. Dyess. and **T. A. Ladine**. 2018. Track-tube assessment of a small-mammal population in an urban ecosystem. *Program of 121st Annual Meeting of The Texas Academy of Science*.
- T. A. Ladine**. 2017. The red wolf (*Canis rufus*) in east Texas: rediscovery and activity patterns. *Program of 120th Annual Meeting of The Texas Academy of Science*.
- Welch, R. and **T. A. Ladine**. 2017. Dispersion of *Juglans nigra*: preliminary analysis for small mammal habitat use. *Program of 120th Annual Meeting of The Texas Academy of Science*.

- Morales, I., D. Laznovsky, and **T. A. Ladine**. 2017. Assessment of social behavior of raccoons (*Procyon lotor*) using motion-sensor trail cameras. *Program of 120th Annual Meeting of The Texas Academy of Science*.
- Rhodes, B. and **T. A. Ladine**. 2017. Food habits of raccoons (*Procyon lotor*) in an urban ecosystem. *Program of 120th Annual Meeting of The Texas Academy of Science*.
- Published Abstracts (cont)**
- Rhodes, B. and **T. A. Ladine**. 2016. Food habits of raccoons (*Procyon lotor*) in an urban ecosystem. *Program of 119th Annual Meeting of The Texas Academy of Science*.
- Keane, S. and **T. A. Ladine**. 2016. Seasonal variation in activity of raccoons (*Procyon lotor*) in an urban ecosystem. *Program of 119th Annual Meeting of The Texas Academy of Science*.
- Wilder, C. and **T. A. Ladine**. 2016. Carpal glands in raccoons (*Procyon lotor*). *Program of 119th Annual Meeting of The Texas Academy of Science*.
- T. A. Ladine**. 2016. Carpal-located scent-marking in raccoons (*Procyon lotor*). *Program of 119th Annual Meeting of The Texas Academy of Science*.
- T. A. Ladine**. 2015. Preliminary assessment of predator-prey dynamics in a urban ecosystem. *Program of 118th Annual Meeting of The Texas Academy of Science*.
- Hawbaker, A., D. Brooks, and **T. A. Ladine**. 2015. Model of the respiratory requirements of the Meganisoptera. *Program of 118th Annual Meeting of The Texas Academy of Science*.
- Garner, B. and **T. A. Ladine**. 2015. Plant community analysis after 10 years of succession. *Program of 118th Annual Meeting of The Texas Academy of Science*.
- Ray, M. and **T. A. Ladine**. 2014. Vehicle-induced mortality of raccoons (*Procyon lotor*). *Program of 117th Annual Meeting of The Texas Academy of Science*.
- T. A. Ladine**. 2013. Ecological constraints of water on *Peromyscus leucopus* in an mesic environment. *Program of 116th Annual Meeting of The Texas Academy of Science*.
- Pressley, C. and **T. A. Ladine**. 2012. A Comparison of the Woody Vegetation in Adjacent Upland and Riparian Areas Inhabited by Beaver (*Castor canadensis*). *Program of 115th Annual Meeting of The Texas Academy of Science*.
- Hisey, J. R., M. L. Kennedy, **T. A. Ladine**, and S. A. Maris-Danley. 2004. Age and Sex-Specific Demography Of Raccoons, *Procyon lotor*, On A Southwestern Tennessee Site. *Journal of the Tennessee Academy of Science*.
- Hisey, J. R., M. L. Kennedy, **T. A. Ladine**, S. A. Maris-Danley, and L. D. Loudermilk. 2003. Disappearance and appearance trends for raccoons at a southwestern Tennessee site. Abstracts of the Colloquium on Conservation of Mammals in the Southeastern United States.
- Hisey, J. R., M. L. Kennedy, **T. A. Ladine**, S. A. Maris-Danley, and L. D. Loudermilk. 2003. Raccoon strategies in spacing and movements in southwestern Tennessee. Abstracts of The Wildlife Society. 10th Annual Conference.
- Jennings, J., M. L. Kennedy, **T. A. Ladine**, S. Marris-Danley. 2002. Spatial organization of raccoons (*Procyon lotor*) in western Tennessee. *Journal of the Tennessee Academy of Science*.
- Hisey, J. R., M. L. Kennedy, **T. A. Ladine**, and S. A. Maris-Danley. 2002. An assessment of selected demographic features of a population of raccoons *Procyon lotor*. *Journal of the Tennessee Academy of Science*, 77:37.
- Ladine, T. A.**, and M. L. Kennedy. 1996. Estimation of the sex ratio demographic: effects of temporal scale. *Journal of the Tennessee Academy of Science*, 71:26.

Ladine, T. A. 1995. Effects of temporal scale on estimation of sex ratio of medium-sized mammal populations. Finalist for Wilks Award Paper. Abstracts of Southwestern Association of Naturalists. Centenary College of Louisiana, Shreveport, LA.

Ladine, T. A., and M. L. Kennedy. 1995. Defining associations of mobile species using presence-absence models. *Journal of the Tennessee Academy of Science*, 70:48.

Published Abstracts (cont)

Ladine, T. A. 1994. Patterns of captures and resource use of raccoons. Abstracts of Midwest Animal Behavior Conference, Southern Illinois University, Carbondale.

Ladine, T. A., and M. L. Kennedy. 1994. Recapture patterns of raccoons (*Procyon lotor*). *Journal of the Tennessee Academy of Science*, 69:51.

Ladine, T. A., and M. L. Kennedy. 1993. Activity patterns of opossums and raccoons based on capture data. *Journal of the Tennessee Academy of Science*, 68:57.

Ladine, T. A., and M. L. Kennedy. 1992. Population dynamics of opossums in western Tennessee. American Society of Mammalogists Annual Meeting. University of Utah, Salt Lake City.

Ladine, T. A., and M. L. Kennedy. 1992. Population dynamics of opossums in western Tennessee. *Journal of the Tennessee Academy of Science*, 67:20.

Kissell, R. E., Jr., D. A. Elrod, T. M. Gabor, **T. A. Ladine**, and R. E. Lizotte, Jr. 1991. Harvest data from a managed raccoon hunt in western Tennessee. *Journal of the Tennessee Academy of Science*, 66:72.

Non-refereed Publications

Ladine, T.A. (editor). 2020. Guide to Birds of ETBU.

Ladine, T.A. 2008. Activity questions for supplement to Miller: *Living in the Environment*

Ladine, T. A. 2007. "What was God thinking?" Population growth and resource use. Marshall News Messenger. Marshall, Texas

Ladine, T. A. 2004. Lab manual for life science. East Texas Baptist University. Marshall, Texas.

Darville, R. and **T. A. Ladine.** 2002. Lab manual for environmental science. East Texas Baptist University. Marshall, Texas

Ladine, T. A. 1998. Biology Department web site.

Ladine, T. A. 1997. Lab manual for introductory biology. Bethel College. McKenzie, Tennessee.

Ladine, T. A. 1989. Artificial water harvesting catchment. Computer Program for the Soil Conservation Service.

Ladine, T. A. 1989. Fence. Computer Program for the Soil Conservation Service.

Selected Presentations

- Interaction of domestic dogs (*Canis lupus familiaris*) and selected medium and large mammals. University of Houston-Clear Lake 2022
- Interaction between co-occurring populations of raccoons (*Procyon lotor*) and Virginia opossums (*Didelphis virginiana*). University of Houston-Clear Lake 2022
- Activity patterns of gray fox (*Urocyon cinereoargenteus*) in an urban system. 2021

Selected Presentations (cont)

- Shifts in seasonal activity patterns of male whit-tailed deer (*Odocoileus virginianus*) in an urban system. Virtual Presentation 2021
- Effect of domestic dogs on the activity of white-tailed deer (*Odocoileus virginianus*). Stephen F. Austin University. Nacogdoches, TX 2020
- Three-year assessment of small mammals in an urban ecosystem. Stephen F. Austin University. Nacogdoches, TX 2020
- Response in activity of white-tailed deer (*Odocoileus virginianus*) to lunar cycles and cloud cover. Howard Payne University. Texas Academy of Science. Howard Payne University. Brownwood, TX 2019
- Comparison of tracking-tubes and camera-traps for assessment of relative abundance of small mammals. Texas Academy of Science. Howard Payne University. Brownwood, TX 2019
- Use of landscape shrubs by small mammals. Texas Academy of Science. Howard Payne University. Brownwood, TX 2019
- Activity patterns of white-tailed deer (*Odocoileus virginianus*) in an urban ecosystem. Texas Academy of Science. Midland College, Midland, TX. 2018
- Track-tube assessment of a small-mammal population in an urban ecosystem. Texas Academy of Science. Midland College 2018
- Rediscovery and activity patterns of the red wolf in east Texas. Texas Academy of Science. University of Mary-Hardin Baylor, Belton, TX. 2017
- Dispersion of walnut (*Juglans nigra*) in an urban forested system: A preliminary study Texas Academy of Science. University of Mary-Hardin Baylor, Belton, TX. 2017
- Assessment of social behavior of raccoons (*Procyon lotor*) using motion-sensor trail cameras. Texas Academy of Science. University of Mary-Hardin Baylor, Belton, TX. 2107
- Scent marking in raccoons (*Procyon lotor*). Texas Academy of Science. Llano River Field Station, Texas Tech University. Junction, TX 2016
- Seasonal variation in activity patterns of raccoons (*Procyon lotor*) in an urban ecosystem. Texas Academy of Science. Llano River Field Station, Texas Tech University. Junction, TX 2016
- Presence of carpal scent glands in raccoons (*Procyon lotor*). Texas Academy of Science. Llano River Field Station, Texas Tech University. Junction, TX 2016
- Food habits of raccoons (*Procyon lotor*) in an urban ecosystem. Texas Academy of Science. Llano River Field Station, Texas Tech University. Junction, TX 2016
- Preliminary assessment of predator-prey dynamics in an urban ecosystem Texas Academy of Science. University of the Incarnate Word. San Antonio, TX 2015
- Addressing perceptions of non-science majors: Toward a biblical interpretation of environmental stewardship. East Texas Baptist University Scholars Presentation. 2013

Selected Presentations (cont)

- Addressing perceptions of non-science majors: Toward a biblical interpretation of environmental stewardship. Invited seminar speaker. LeTourneau University Longview, TX 2012
- Teaching evolution at a Christian University: Why the Christian should have an understanding of evolution. Invited seminar speaker. Letourneau University Longview, TX 2009
- Forum on global warming. East Texas Baptist University. Marshall, TX 2007
- Forum on evolution and creation. Christian Heritage School. Longview, TX. 2007
- Forum on evolution and creation. East Texas Baptist University. Marshall, TX 2006
- Assessment of microhabitat use of *Blarina carolinensis* in east Texas. Southwestern Association of Naturalists annual meeting. Sam Houston State University. Huntsville, TX. 2005
- Effects of selected scale on population demographics and habitat correlations. Bethel College, McKenzie, TN. 1996
- Estimation of the sex ratio demographic: effects of temporal scale. Joint meeting of the Kentucky Academy of Sciences and Tennessee Academy of Science. Western Kentucky Univ. Bowling Green, KY. 1995
- Effects of temporal scale on estimation of sex ratio of medium-sized mammal populations. Fifth Colloquium on Conservation of Mammals in the South-Central United States. Tennessee Tech Univ., Cookeville, TN. 1995

OTHER RELEVANT INFORMATION:

Awards and Fellowships

- Faculty research grant, East Texas Baptist University 2015
- Faculty research grant, East Texas Baptist University 2014
- Faculty research grant, East Texas Baptist University 2013
- Integrating Faith and Learning Grant, East Texas Baptist University 2012
- Faculty research grant, East Texas Baptist University 2007
- Innovations in teaching award, East Texas Baptist University 2005
- Faculty research grant, East Texas Baptist University 2005
- Faculty research grant, East Texas Baptist University 2003
- Faculty research grant, East Texas Baptist University 2002
- University of Memphis, Department of Biology Teaching Fellowship. 1995
- Finalist in Wilks' Award of the Southwestern Association of Naturalists. 1995
- University of Memphis, Department of Biology Teaching Fellowship. 1994
- University of Memphis, Department of Biology Research Travel Grant. 1993
- University of Memphis, Department of Biology Teaching Fellowship. 1993
- University of Memphis, Graduate School Poster Presentation winner 1993
- University of Memphis, Alumni Travel Award. 1992

Committee Service

• Institutional Effectiveness Committee	2020-present
• Institutional Review Board	2018-2020
• Faculty Development Committee	2016-2018
• Faculty Senate	2015 - 2016
• Library Committee; East Texas Baptist University	2015 - 2016
• Human Subjects Research Review Committee; East Texas Baptist University	2014 - 2015
• Institutional Effectiveness Committee	2011 - 2014
• Faculty Senate (At-large member, Immediate Past Chair)	2011 - 2012
• Student Research Forum Committee (Chair 2004-2005; 2010-2011)	2002 - 2011
• Faculty Senate (Chair 2010-2011)	2010 - 2011
• Travel Studies Committee	2010 – 2011
• Integration of Faith and Learning Committee	2009 - 2010
• Integration of Faith and Learning Committee: Committee Chair	2008 - 2009
• Care of Creation and the Created Awareness Committee, School of Natural and Social Sciences	2008 - 2009
• Student Evaluation Criteria Committee, East Texas Baptist University	2006 - 2007
• Human Subjects Research Review Committee; East Texas Baptist University, Committee Chair	2005 - 2007
• Human Subjects Research Review Committee; East Texas Baptist University	2004 - 2007
• Committee on promoting critical thinking in the classroom, School of Natural and Social Sciences, Committee Chair	2005 - 2006
• Search Committee – Chemistry Faculty Position	2004 - 2005
• Honors Research Committee; East Texas Baptist University	2003 - 2004
• Computer Competency Committee; East Texas Baptist University	2003
• Athletic Committee; East Texas Baptist University	2002 - 2003
• Teacher Education Committee; East Texas Baptist University	2001 - 2003
• Academics Policies and Curriculum Committee; Dana College	2000 - 2001
• Faculty Representative; the Biology Club, Bethel College, McKenzie, TN	1999 - 2000
• Department of Biology liaison to the library; Bethel College, McKenzie, TN	1999 - 2000
• Judiciary Committee; Bethel College, McKenzie, TN	1999 - 2000
• Athletic Committee; Bethel College, McKenzie, TN	1998 - 2000
• Computer Technology Task Force Committee for implementation IBM ThinkPad; Bethel College, McKenzie, TN	1998
• Committee to establish a Physician Assistant Program; Bethel College, McKenzie, TN	1998 - 2000
• Graduate Studies Committee; Department of Biology, The University of Memphis, Memphis, TN.	1994 - 1995