

CURRICULUM VITAE
(updated 11-20-2017)

NAME:

Dr. Jeffrey G. Kopachena
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CITIZENSHIP:

Canadian, Permanent Resident of U.S.A.

EDUCATION

Undergraduate Degree: B.Sc. (maj) Zoology,
University of Manitoba,
Graduated May, 1982

Masters Degree: M.Sc. Zoology,
University of Manitoba,
Major Subject: Behavioral Ecology
Minor Subject: Statistics
Graduated May, 1986

Doctoral Degree: Ph.D. Zoology,
University of Toronto,
Major Subject: Behavioral Ecology
Minor Subject: Wildlife Ecology
Graduated May, 1992

POSTDOCTORAL EXPERIENCE

Queen's University, Department of Biology, Kingston, Ontario, Canada. Genetic research on behavioral and plumage polymorphisms in white-throated sparrows. With Dr. Fred Cooke and Dr. Jeanette Holden. April 1991 - August 1993.

PREVIOUS APPOINTMENTS

Department Head – Department of Biological and Environmental Sciences, Texas A&M University – Commerce, Commerce, Texas, U.S.A. July 2007 – July 2011.

Adjunct Graduate Faculty Member, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, Texas, U.S.A. May 2010 to July 2011.
Associate Professor (Tenured) - Department of Biological Sciences, Texas A&M University - Commerce, Commerce, Texas, U.S.A. Aug. 2002 – June 2009.
Assistant Professor - Department of Biological Sciences, Texas A&M University - Commerce, Commerce, Texas, U.S.A. Aug. 1994 – 2002.
Adjunct Professor of Biology, Queen's University, Department of Biology, Kingston, Ontario, Canada. May 1994 – May 1996.
Assistant Professor of Biology, Augustana University College, Camrose, Alberta. Sept. 1993 - May 1994. (9-month appointment).

CURRENT APPOINTMENTS

Full Professor - Department of Biological and Environmental Sciences, Texas A&M University – Commerce, Commerce, Texas, U.S.A. June 2009 – present.
Senior Graduate Faculty Member – School of Graduate Studies, Texas A&M University - Commerce, Commerce, Texas, U.S.A. March 2003 – present.

ADMINISTRATIVE ACCOMPLISHMENTS AS DEPARTMENT HEAD (2007 – 2011)

- 1) Between Fall 2008 and Fall 2010 was able to hire four replacement faculty for Department of Biological and Environmental Sciences.
- 2) In fall of 2009 was able get approval for a brand new faculty line for the Department of Biological and Environmental Sciences.
- 3) In fall of 2009, was able to get approval for a brand new full-time instructor position for the Department of Biological and Environmental Sciences.
- 4) In fall of 2010, oversaw the hiring of a post-doctoral associate to support cellular and molecular biology research.
- 3) Established a division of freshman biology, dedicating 2 two faculty, 4 graduate assistantships and two student mentors to overseeing the delivery and mentoring of freshman biology classes.
- 3) Oversaw restructuring of freshman biology sequence and, by doing so, was able to increase first year grades by 10% while simultaneously increasing content and course rigor. This resulted in a 50% increase in freshman retention.
- 4) Established of a monthly social gathering of student and faculty to facilitate student faculty mentoring.
- 5) In 2009, was able to garnish two additional graduate assistantship positions.
- 6) Served as Co-PI for an NSF S-STEM grant for the amount of \$593,700.00.
- 7) Oversaw the development of an articulation agreement with Collin County Community College for delivery of the Environmental Science degree.
- 8) Oversaw a memorandum of understanding for a joint program with International American University's Pre-Medical Program.
- 9) Increased departments income through course fees by 75%
- 10) Established a graduate program coordinator to oversee graduate program admissions, assignment of graduate advisors, and implementation of program assessment tools.

- 11) Increased graduate enrollments by 200%
- 12) Increased undergraduate enrollments by 37%, to a total of 360 students.
- 13) Developed cooperative agreements in support of educational and research initiatives with the Dallis AgriLife Center of the Texas Agricultural Extension Service.
- 14) Developed an informal cooperative agreement with Texas A&M University in College Station to place MS graduates into Doctoral programs in College Station.
- 15) Developed a faculty mentoring program to guide and advise junior faculty in teaching strategies and time management.
- 16) Hired a full-time director for the university's animal care facility and oversaw the establishment of a formal IACUC and the formal approval of a PHS Animal Welfare Assurance.
- 17) Developed and implemented a Laboratory Safety Training Program for students enrolled in laboratory classes. Established "Lab Safety Contracts" for students in labs.
- 18) Established and maintained specific safety guidelines for all laboratories in the department.
- 19) Increased adjunct salaries by 25%.
- 20) Was able to provide release time to junior faculty resulting in the awarding of the first NSF grant to a faculty member in the department in over 11 years.

RESEARCH BACKGROUND

Current Research

- 1) Survivorship of eggs and larvae of Monarch Butterflies (*Danaus plexippus*) in northeast Texas. Research sponsored by the Texas Comptroller's Office on Economic Growth and Endangered Species Management.
- 2) Ecology and conservation of birds in northeast Texas. Current projects include work on Barn Swallows (*Hirundo rustica*), Cave Swallows (*Petrochelidon fulva*), and potentially Scissor-tailed Flycatchers (*Tyrannus forficatus*) and Loggerhead Shrikes (*Lanius ludovicianus*).
- 2) Behavioral ecology of reproduction in the Barn Swallow (*Hirundo rustica*). Current studies involve investigations into the role of competition in nest site segregation among species of swallows in northeast Texas. Additional studies involve tests of alternate hypotheses on the causation and function of hatching asynchrony.

Previous Research

- 1) Post-doctoral Research (April 1991 - August 1993). Department of Biology, Queen's University, Kingston, Ontario, Canada.
The genetic basis of polymorphism in the White-throated Sparrow (*Zonotrichia albicollis*).
- 2) Doctoral Research (April 1986 - May 1992). Department of Zoology, University of Toronto, Toronto, Ontario, Canada.
Behavioral correlates of polymorphism and post-fledging parental care in the White-throated Sparrow (*Zonotrichia albicollis*).
- 3) Masters Research (April 1982 - May 1986)
Spatial and temporal aspects of flocking behavior in Franklin's Gulls (*Larus pipixcan*).

TECHNICAL SKILLS

1. Non-destructive sampling of avian tissues (skin biopsy, feather pulp, blood) for tissue culture and DNA analyses.
2. Culture of avian tissues (skin and feather fibroblasts, peripheral lymphocytes); cytogenetic procedures including karyotyping and staining (C, G, R, and Q-banding).
3. Black and white photographic and darkroom techniques. Color digital imaging using digital camera and Photoshop.
5. Organization and management of ecological and behavioral field research. Experience includes spatial and temporal observations of birds along flight lines, manipulation of parental, aggressive, and territorial behavior, measurements of avian nestling and fledgling growth and survival, vegetation and habitat analyses, territory mapping, arachnid behavior and ecology, lepidopteran survivorship and invertebrate community dynamics.
6. Handling and use of mist-nets and the organization of a banding program using aluminum and colored bands. – 30 years of experience.
7. Organization and management of captive breeding programs for passerine birds.
8. Preparation of museum skins (birds and mammals) and skins as experimental models.
9. Field recording of vocalizations using parabolic microphones and Uher, Nagra, or Sony recording equipment. Use of sound equipment for playback experiments and use of a Kay Digital Sonograph for making high resolution sonograms.
10. Data management and analyses on personal computers using SAS, MS-Word, MS-Excel.
11. Statistical analyses: linear and non-linear models, parametric and non-parametric tests, multivariate analyses, clustering and cladistic procedures.
12. GIS/GPS: use of a Trimble GeoXT GPS unit to collect submeter accuracy shapefiles, use of ArcView mapping software, data conversions, federal and state databases.

PUBLICATIONS

Peer-reviewed Journal Papers

- Dickinson, T.E., Falls, J.B., and Kopachena, J.G. 1987. Effects of female pairing status and timing of breeding on nesting productivity in Western Meadowlarks (*Sturnella neglecta*). Canadian Journal of Zoology 65: 3093-3101.
- Gurley, W and Kopachena, J.G. 2015. Reproductive success of syntopic nesting barn swallows and cave swallows in northeast Texas. The Southwestern Naturalist 60(1): 61-64.
- Kopachena, J.G. 1987. Variations in the temporal spacing of Franklin's gull (*Larus pipixcan*) flocks. Canadian Journal of Zoology 65: 2450-2457.
- Kopachena, J.G. 1991. Food dispersion, predation, and the relative advantage of colonial nesting. Colonial Waterbirds 14: 7-12.
- Kopachena, J.G. and C.J. Crist. 2000. Micro-habitat features associated with Painted and Indigo Buntings in northeast Texas. Texas Journal of Science 52: 133-144.
- Kopachena, J.G. and C.J. Crist. 2000. Macro-habitat features associated with Painted and Indigo Buntings in northeast Texas. Wilson Bulletin 112: 108-114.

- Kopachena, J.G. and Evans, R.M. 1990. Flock recruitment in Franklin's Gulls. *Colonial Waterbirds* 13: 92-95.
- Kopachena, J.G. and Falls, J.B. 1991. An experimental study of brood division in white-throated sparrows. *Animal Behaviour* 42: 395-402.
- Kopachena, J.G. and Falls, J.B. 1993. Post-fledging parental care in the White-throated Sparrow (*Zonotrichia albicollis*). *Canadian Journal of Zoology* 71: 227-232.
- Kopachena, J.G. and Falls, J.B. 1993. Re-evaluation of morph-specific variations in parental behaviour of White-throated Sparrows. *Wilson Bulletin* 105: 48-59.
- Kopachena, J.G. and Falls, J.B. 1993. Aggressive performance as a behavioral correlate of plumage polymorphism in the White-throated Sparrow (*Zonotrichia albicollis*). *Behaviour* 124: 249-266.
- Kopachena, J.G. and Kollar, C.S. 1999. A herpetological survey of three old-field sites at Cooper Lake. *Texas Journal of Science* 51:211-224.
- Kopachena, J.G., A.J. Buckley, and G.A. Potts. 2000. Effects of the American Swallow Bug (*Oeciacus vicarius*) on reproductive success in the Barn Swallow (*Hirundo rustica*). *Texas Journal of Science* 52: 33-47.
- Kopachena, J.G., A.J. Buckley, and G.A. Potts. 2000. Effects of the Red Imported Fire Ant (*Solenopsis invicta*) on reproductive success of Barn Swallows (*Hirundo rustica*) in northeast Texas. *The Southwestern Naturalist* 45: 475-482.
- Kopachena, J.G., Cochran, B.L., and Nichols, T.B. 2007. The incidence of American swallow bugs (*Oeciacus vicarius*) in barn swallow (*Hirundo rustica*) colonies in northeast Texas. *Journal of Vector Ecology* 32 (2): 280-284.
- Sinha, A., J.G. Kopachena, and J. Eidson. 2010. Plant diversity in an imperiled gammagrass community in northeastern Texas. *Southwestern Naturalist* 55: 254-262.
- Turner, K.T. and J.G. Kopachena. 2009. Breeding biology of the barn swallow in northeast Texas with temporal and geographic comparisons to other North American Studies. *Texas Journal of Science* 62(2): 131-146.

Book Chapters

- Falls, J.B., and Kopachena, J.G. 1994. White-throated Sparrow (*Zonotrichia albicollis*). *In* *Birds of North America*, No. 128 (A. Poole and F. Gill, Eds.). Philadelphia: The Academy of Natural Sciences; Washington, D.C.: The American Ornithologists Union.
- Falls, J. B. and J. G. Kopachena. 2010. White-throated Sparrow (*Zonotrichia albicollis*), *The Birds of North America Online* (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology.
- Kopachena, J.G. 2003. Waste oil from Automobiles. *In* Ragsdale, D. and Breclaw, E. (Eds.). *Field Activities in Biology*. Holt, Rinehart, and Winston Co. Austin, Texas.

Book Reviews

- Kopachena, J.G. 2003. *Birds of the Texas Hill Country*. *Quarterly Review of Biology* 78:241.
- Kopachena, J.G. 2001. *Great Texas Birds*. *Quarterly Review of Biology* 76:93

Manuscripts in Preparation

Kopachena, B.A. and Kopachena, J.G. Egg size variation in the barn swallow (*Hirundo rustica*).

To be published in Journal of Avian Biology.

Kopachena, B.A. and Kopachena, J.G. Unusual nesting of the chimney swift (*Chaetura pelagica*).

To be published in the Southeastern Naturalist.

Kopachena, J.G. and Potts, G. Intermittent incubation during the egg-laying period and its effect on hatching asynchrony in the Barn Swallow. To be submitted to Condor.

Kopachena, J.G. and Strickland, K. A test of the egg viability hypothesis in the Barn Swallow. To be submitted to Condor.

Kraai, K.J. and Kopachena, J.G. Late winter food habits, body condition, and feather molt intensity of female mallards (*Anas platyrhynchos*) utilizing livestock ponds in northeast Texas. To be submitted to Journal of Wildlife Management.

Abstracts

Kopachena, J.G. 1987. Spatial and temporal aspects of Franklin's gull flocks. Proceedings of an International Symposium of the Colonial Waterbird Group and the Pacific Seabird Group. Studies in Avian Biology 10: 81.

Theses

Kopachena, J.G. 1986. Spatial and temporal aspects of flocking behaviour in the Franklin's Gull (*Larus pipixcan*). M.Sc. Thesis, University of Manitoba.

Kopachena, J.G. 1992. Behavioral correlates of polymorphism and post-fledging parental care in the White-throated Sparrow (*Zonotrichia albicollis*). Ph.D. Thesis, University of Toronto.

Other

Ortho Books Company. 1986. The Birds Around Us. Edited by Alice Mace and Edward Tsakaris. (Contributing author).

Kraai, K.J. and Kopachena, J.G. 2001. Late winter feeding habits and condition of female mallards utilizing stock ponds in the oak woods/blackland prairie region of northeast Texas. Texas Parks and Wildlife 2001 Wildlife Research Highlights 5: 29.

Student Masters Theses

Belcher, B.C. and Kopachena, J. 2017. The Effects of Fire and Mowing on *Scabiosa atropurpurea* L. (Dipsacaceae) in North-Central Texas. Masters Thesis, Texas A&M University – Commerce.

Bilecki, T. 2003. A test of the insect attraction hypothesis as it relates to the stabilimenta of *Argiope aurantia* (Lucas). Masters Thesis, Texas A&M University – Commerce.

Bullard, P. 2011. Impacts of introduced grasses on bird communities in northeast Texas' blackland prairie ecoregion. Masters Thesis, Texas A&M University – Commerce.

- Cochran, B. 2008. Egg size variation in the American Barn Swallow (*Hirundo rustica erythrogaster*). Masters Thesis, Texas A&M University – Commerce.
- Crist, C.J. 1998. An evaluation of habitat selection among Painted Buntings (*Passerina ciris*) and Indigo Buntings (*Passerina cyanea*). Masters Thesis, Texas A&M University - Commerce.
- Dees, D. 1998. The significance of spot patterns in the Convergent Lady Beetle. Masters Thesis, Texas A&M University - Commerce.
- Gurley, W. 2010. Reproductive success, competition, and nest stratification in swallows in northeast Texas. Masters Thesis, Texas A&M University – Commerce.
- Kraai, K. 2003. Late winter feeding habits, body condition, and feather molt intensity of female mallards utilizing livestock ponds in northeast Texas. Masters Thesis, Texas A&M University - Commerce.
- Mangham, R.M. 2008. Changes in plant composition in response to a stream restoration project in Woodruff County, Arkansas. Masters Thesis, Texas A&M University – Commerce.
- Mays, M.Y. 1998. A comparison of the karyotypes of *Junco hyemalis*, *Zonotrichia querula*, and *Zonotrichia leucophrys*. Masters Thesis, Texas A&M University - Commerce.
- Miersiovsky, Christy. 2005. Pollination ecology of Black-eyed Susans. Masters Thesis, Texas A&M University - Commerce.
- Miller, K.M. 2017. Reproductive success of barn swallows nesting on buildings along the SH 24 corridor in northeast Texas. Masters Thesis, Texas A&M University – Commerce.
- Potts, Gregory. 2002. Incubation patterns during egg-laying and their effects on hatching asynchrony in Barn Swallows. Masters Thesis, Texas A&M University - Commerce.
- Robissa, Jessica. 2014. Comparison of biodiversity of avifauna in urban landscapes in spring. Masters Thesis, Texas A&M University – Commerce.
- Salinas, A. M. 2010. Habitat variables associated with the song perches of Bell's Vireos in northeast Texas. Masters Thesis, Texas A&M University - Commerce.
- Seo, Suk Ran. 2004. The diet of *Argiope aurantia*. Masters Thesis, Texas A&M University - Commerce.
- Sharma, Tulasi R. 2006. Habitat utilization, home range size and population size of Hispid Cotton Rat (*Sigmodon hispidus*) at the Cowleech Prairie Preserve in northeast Texas. Masters Thesis, Texas A&M University - Commerce.
- St. Clair, Barry. 2012. Growing season versus dormant season fire as a control method for and invasive species, King Ranch Bluestem (*Bothriochloa ischaemum*). Masters Thesis, Texas A&M University - Commerce.
- Strickland, K. 2002. A test of the egg viability hypothesis in Barn Swallows (*Hirundo rustica*). Masters Thesis, Texas A&M University - Commerce.
- Wakoson, A.H. 1996. Chromosomal polymorphism in white-throated sparrows. Masters Thesis, Texas A&M University - Commerce.
- Whaley, Audrey M. 2015. Effects of prescribed fire, tillage, and herbicide to reestablish native vegetation on old fields within the Blackland Prairie ecoregion of Texas. Masters Thesis, Texas A&M University – Commerce.
- Wilkinson, J.R. 1997. Comparison of fecundity, longevity and larval viability in four lines of *Drosophila melanogaster*. Masters Thesis, Texas A&M University - Commerce.
- Williams, Vashunda Renee. 2001. A novel behavioral screen of *Drosophila melanogaster* mutants: Detection for avoidance of benzaldehyde. Masters Thesis, Texas A&M University -

Commerce.

Student Honors Theses

- Ffradelis, S. 2002. A test of the tasty chick hypothesis in the barn swallow. Honors Thesis, Texas A&M University – Commerce.
- Healy, J.M. 1997. Distribution of arsenic residues at the Commerce, Texas, SuperFund Site. Honors Thesis, Texas A&M University - Commerce.
- Huff, Thomas. 2013. A study of the niche structure and habitat utilization of urban winter birds. Honors Thesis, Texas A&M University - Commerce.
- Kollar, C.M. 1995. A herpetological survey of three degraded tall-grass prairie sites around Cooper Lake. Honors Thesis, East Texas State University.
- Miller, T.M. 1997. A study of movement patterns and basking behavior of a turtle population inhabiting a northeast Texas pond. Honors Thesis, Texas A&M University - Commerce.
- May, Heather. 2006. A herpetological survey of the Cowleech prairie. Honors Thesis, Texas A&M University - Commerce.
- Turner, K. 2007. Breeding biology of the barn swallow in northeast Texas and a test of Lack's Hypothesis. Honors Thesis, Texas A&M University - Commerce.
- Tynes, A. 2014. Habitat stratification of barns swallows (*Hirundo rustica*), cave swallows (*Petrochelidon fulva*), and cliff swallows (*Petrochelidon pyrrhonota*) nesting on highway structures in northeast Texas. Honors Thesis, Texas A&M University - Commerce.

CONFERENCE ORAL PRESENTATIONS

- Belcher, B.C., Kopachena, J.G. and Ransom, D.R. 2016. Factors affecting distribution of *Scabiosa atropurpurea* L. (Dipsicaceae) in north-central Texas. Proceedings of the 6th Annual Texas Invasive Plant and Pest Council, 9-11 March, 2016, Sam Houston State University, Huntsville, Texas.
- Belcher, B.C. and Kopachena, J. 2017. The Effects of Fire and Mowing on *Scabiosa atropurpurea* L. (Dipsacaceae) in North-Central Texas. Texas Society for Ecological Restoration, 2017 Annual Conference: Resilience & Connectivity at Our Roots. University of North Texas, Denton, Texas, November 10-12, 2017.
- Cochran, B.L., Kopachena, J.G. and Miskevich, F. 2007a. Preliminary Analysis of the Tasty Chick Hypothesis as it Applies to Broods of the American Barn Swallow (*Hirundo rustica erythrogaster*). Proceedings of the 110th Annual Meeting of the Texas Academy of Science, 1 March - 3 March, 2007, Baylor University, Waco, TX.
- Cochran, B.L., Kopachena, J.G. and Miskevich, F. 2007b. Preliminary Analysis of the Tasty Chick Hypothesis as it Applies to Broods of the American Barn Swallow (*Hirundo rustica erythrogaster*). Sigma Xi Student-Faculty Research Forum, 26 April 2007, Texas A&M University - Commerce, Commerce, TX.
- Cochran, B.L. and Kopachena, J.G. 2008. Egg size variation in the North American barn swallow (*Hirundo rustica erythrogaster*). Proceedings of the 111th Annual Meeting of the Texas Academy of Science, 6-8 March, 2008, Texas A&M University-Corpus Christi, Corpus Christi, TX.

- Cochran, B.L. and J.G. Kopachena. 2009. Population structure of urban great-tailed grackles (*Quiscalus mexicanus*) at winter roost sites. Texas A&M University-Commerce Annual Research Symposium, April 1st, Commerce, TX.
- Cochran, B.L. and Kopachena, J.G. 2010a. Preliminary analyses of population structure and reproductive success of urban great-tailed grackles. Proceedings of the 113th Annual Meeting of the Texas Academy of Science, 4 - 6 March, 2010, Tarleton State University, Stephenville, TX.
- Cochran, B.L. and Kopachena, J.G. 2010b. Preliminary analyses of population structure and reproductive success of urban great-tailed grackles. Proceedings of the 46th Texas Chapter of The Wildlife Society Annual Meeting, Galveston, Texas, February, 2010.
- Cochran, B.L. and Kopachena, J.G. 2011a. Nestling growth and mortality of urban great-tailed grackles (*Quiscalus mexicanus*). Proceedings of the 114th Annual Meeting of the Texas Academy of Science, 3 - 5 March, 2011, St. Edward's University, Austin, TX.
- Cochran, B. and Kopachena, J.G. 2011b. Nestling growth and mortality of urban great-tailed grackles (*Quiscalus mexicanus*). Proceedings of the 46th Annual Meeting of Texas Chapter of the Wildlife Society, Feb. 17th – 19th, San Antonio, TX.
- Crist, C.J., and Kopachena, J.G. 1997. A comparison of habitat selection by male Painted and Indigo Buntings. Proceedings of the 100th annual meeting of the Texas Academy of Science, 6 March - 8 March, 1997, Sam Houston State University, Huntsville TX.
- Crist, C.J., and Kopachena, J.G. 1997. A comparison of habitat selection by male Painted and Indigo Buntings. Annual District Convention of the Tri-Beta Biological Honours Society, 12 April - 14 April, 1997, University of Oklahoma Field Station, Lake Texoma, Oklahoma.
- Crist, C.J., and Kopachena, J.G. 1998. An evaluation of gross habitat features around the song perches of Indigo and Painted Buntings in Northeast Texas. Proceedings of the 101st annual meeting of the Texas Academy of Science, 5 March - 7 March, 1998, The University of Texas at Tyler, Tyler, TX.
- Fulmer, J.R., Lee, D.R., and Kopachena, J.G. 1998. A microbiological study of *in vitro* soil and water microhabitats of ponds using a Winogradsky method. Proceedings of the 101st annual meeting of the Texas Academy of Science, 5 March - 7 March, 1998, The University of Texas at Tyler, Tyler, TX.
- Gurley, W. and Kopachena, J.G. 2010. Reproductive success, competition, and nest stratification in swallows in northeast Texas. Proceedings of the 46th Texas Chapter of The Wildlife Society Annual Meeting, Galveston, Texas, February, 2010.
- Healy, J.M., and Kopachena, J.G. 1997. Distribution of arsenic residues at the Commerce, Texas, SuperFund site. Proceedings of the 100th annual meeting of the Texas Academy of Science, 6 March - 8 March, 1997, Sam Houston State University, Huntsville TX.
- Healy, J.M., and Kopachena, J.G. 1997. Distribution of arsenic residues at the Commerce, Texas, SuperFund site. Annual District Convention of the Tri-Beta Biological Honours Society, 12 April - 14 April, 1997, University of Oklahoma Field Station, Lake Texoma, Oklahoma.
- Huff, T.P. and Kopachena, J.G. 2013. A study of the niche structures and habitat utilization of urban dwelling winter birds. Texas A&M University - Commerce Annual Research Symposium, 4 April 2013, Commerce, Texas.
- Kennedy, M., Price, D.M., Betts, J.G., and Kopachena, J.G. 1996. Analysis of biomass and productivity of the goldenrod (*Solidago sp.*). Annual District Convention of the Tri-Beta

- Biological Honours Society, 12 April - 14 April, 1996, University of Oklahoma Field Station, Lake Texoma, Oklahoma.
- Kollar, Cynthia M., and Kopachena, Jeffrey G. 1996. A herpetological survey of three degraded tall-grass prairies around Cooper Lake. Proceedings of the 99th annual meeting of the Texas Academy of Science, 29 February - 2 March, 1996, Texas A&M University at Galveston, Galveston TX. p. 124.
- Kollar, Cynthia M., and Kopachena, Jeffrey G. 1996. A herpetological survey of three degraded tall-grass prairies around Cooper Lake. National Council on Undergraduate Research Meeting, University of North Carolina at Asheville, Asheville, North Carolina.
- Kollar, Cynthia M., and Kopachena, Jeffrey G. 1996. A herpetological survey of three degraded tall-grass prairies around Cooper Lake. Annual District Convention. Beta Beta Beta Biological Honours Society, University of Oklahoma Field Station, Oklahoma.
- Kopachena, J.G. 1985. Spatial and temporal aspects of Franklin's gull flocks. Special Symposium: The ecology and behavior of gulls. Joint Meeting of the Colonial Waterbird Group and the Pacific Seabird Group. 6 December 1985, San Francisco, California.
- Kopachena, J.G. 1995. Polymorphisms in White-throated Sparrows (*Zonotrichia albicollis*) - genetically based reproductive strategies? Proceedings of the 98th annual meeting of the Texas Academy of Science, 3 March, 1995, Baylor University, Waco, TX.
- Kopachena, Jeffrey G. 1996. Physical correlates of nest departure in a ground-nesting bird: the white-throated sparrow *Zonotrichia albicollis*. Proceedings of the 99th annual meeting of the Texas Academy of Science, 29 February - 2 March, 1996, Texas A&M University at Galveston, Galveston TX.
- Kopachena, J.G. and Cochran, B.L. 2009. The perilous plight of Tiny Tim: reproductive strategies of American Barn Swallows (*Hirundo rustica erythrogaster*). Texas A&M University – Commerce Annual Research Symposium, April 1, 2009.
- Kopachena, J.G. and Falls, J.B. 1988. Post-fledging parental care in the white-throated Sparrow. Ontario Ethology and Ecology Colloquium. 18 April 1988, University of Western Ontario, London, Ontario.
- Kopachena, J.G. and Falls, J.B. 1989. Behavioral correlates of polymorphism in the White-throated Sparrow. Ontario Ethology and Ecology Colloquium. 15 April 1989, Queen's University, Kingston, Ontario.
- Kopachena, J.G. and Falls, J.B. 1989. Behavioral correlates of polymorphism in the White-throated Sparrow. 101st Stated Meeting, American Ornithologists Union. 9 August 1989, Pittsburgh, Pennsylvania.
- Kopachena, J.G., Buckley, A.J., and Potts, G.A. 1999. Effect of the American Swallow Bug (*Oeciacus vicarius*) on reproductive success in the Barn Swallow. Proceedings of the 102nd annual meeting of the Texas Academy of Science, 4 March - 6 March, 1999, Texas Lutheran University, Seguin, Texas.
- Kopachena, J.G., Robinson, K.E., Wing, M., Cooke, F., and Holden, J.J.A. 1993. Characterization of a chromosomal polymorphism with phenotypic effect in the White-throated Sparrow (*Zonotrichia albicollis*). Annual Meeting of the Genetics Society of Canada. 11-14 June 1993, Lac Du Lage, Quebec.

- Simpson, E.M. and Kopachena, J.G. 2001. A test of the nest protection hypothesis in the Eastern Phoebe (*Sayornis phoebe*). Proceedings of the 104th annual meeting of the Texas Academy of Science, 2 March - 3 March, 2001, Southwest Texas State University, San Marcos, Texas.
- Turley, A. and Kopachena, J.G. 2015. Habitat suitability model for eastern Bell's vireo in northeast Texas. Proceedings of the 51st Texas Chapter of the Wildlife Society Annual Meeting, Austin, Texas, February, 2015.
- Tynes, J.G. and Kopachena, J.G. 2014. A herpetological survey of the Texas A&M University-Commerce Created Wetlands in Hunt County, Texas. Proceedings of the 50th Texas Chapter of The Wildlife Society Annual Meeting, Austin, Texas, February, 2014.
- Wilkinson, J.R., and Kopachena, J.G. 1997. Comparison of fecundity, longevity and larval viability in *Drosophila*. Proceedings of the 100th annual meeting of the Texas Academy of Science, 6 March - 8 March, 1997, Sam Houston State University, Huntsville TX.

POSTER PRESENTATIONS

- Bullard, P., Eidson, J., Flanders, A. and Kopachena, J.G. 2010. Breeding bird abundance on native tallgrass prairie remnants and idle converted grasslands in the northeast Texas Blackland Prairie. 46th Texas Chapter of The Wildlife Society Annual Meeting, Galveston, Texas, February, 2010.
- Cochran, B.L. and J.G. Kopachena. 2008. Egg size variation in the American barn swallow (*Hirundo rustica erythrogaster*). Texas A&M University System - 6th Annual Pathways Research Symposium, Texas A&M University-Commerce, November 7th – 8th, Commerce, TX.
- Cochran, B.L. and Kopachena, J.G. 2009. Population structure of urban Great-tailed Grackles (*Quiscalus mexicanus*) at winter roost sites. 45th Texas Chapter of The Wildlife Society Annual Meeting, Lubbock, Texas, February, 2009.
- Cochran, B.L. and Kopachena, J.G. 2009. Population structure of urban Great-tailed Grackles (*Quiscalus mexicanus*) at winter roost sites. Proceedings of the 112th annual meeting of the Texas Academy of Science, 5 March - 7 March, 2009, Texas Tech University at Junction, Junction, TX.
- Dyess, K.E., Cochran, B.L., and Kopachena, J.G. 2010. Significance of feather lining in the American barn swallow (*Hirundo rustica erythrogaster*). 46th Texas Chapter of The Wildlife Society Annual Meeting, Galveston, Texas, February, 2010.
- Dyess, K.E., Cochran, B.L., and Kopachena, J.G. 2011. Behavior of fledgling Great-tailed Grackles at an urban colony. Proceedings of the 58th Annual Meeting of the Southwestern Association of Naturalists, Tyler, Texas, April, 2011a.
- Dyess, K.E., B.L. Cochran, and J.G. Kopachena. 2011. Behavior of fledgling great-tailed grackles at an urban breeding colony. Texas A&M University-Commerce Annual Research Symposium, April 7th, Commerce, TX.
- Eishen, Gwendolyn and Kopachena, J.G. 2014. Manipulating game-based learning for Texas ecological processes in education. Proceedings of the 50th Texas Chapter of The Wildlife Society Annual Meeting, Austin, Texas, February 19-22, 2014.

- George, G.C., Ni, B., and Kopachena, J. 2017. Extraction and quantification of cardenolides from *Asclepias viridis* leaves. Proceedings of the American Chemical Society Southwest Regional Meeting, Overton Center Lubbock, TX, October 29-November 1, 2017.
- Gurley, W. and Kopachena, J.G. 2009. Reproductive success of barn swallows nesting with cave swallows. 44th Texas Chapter of The Wildlife Society Annual Meeting, Lubbock, Texas, February, 2009.
- Helgerson, K., Mayhew, J., Crenshaw, H., and Kopachena, J.G. 2018. Influence of Green-flowered Milkweed Health and Quality on Monarch Butterfly Larval Survivorship. 54th Annual Meeting of the Texas Chapter of The Wildlife Society, Dallas, Texas, February 9-11, 2018.
- Helgerson, K., Mayhew, J., Crenshaw, H., and Kopachena, J.G. 2018. Influence of the green-flowered milkweed (*Asclepias viridis*) health and quality on monarch butterfly (*Danaus plexippus*) larval survivorship. 124th Annual Meeting of the Texas Academy of Sciences, Midland, Texas, March 2-8, 2018.
- Helgerson, K., Mayhew, J., Crenshaw, H., and Kopachena, J.G. 2018. Influence of the green-flowered milkweed (*Asclepias viridis*) health and quality on monarch butterfly (*Danaus plexippus*) larval survivorship. Texas A&M University – Commerce Annual Research Symposium, April 3rd, 2018.
- Hudman, K.L., Crenshaw, H., Mayhew, J., and Kopachena, J.G. 2018. Effects of Red Imported Fire Ants on the Arthropod Community Associated with Green-flowered Milkweed Plants Occupied by Monarch Butterfly Eggs and Larvae. 54th Annual Meeting of the Texas Chapter of The Wildlife Society, Dallas, Texas, February 9-11, 2018.
- Hudman, K.L., Crenshaw, H., Mayhew, J., and Kopachena, J.G. 2018. Effects of Red Imported Fire Ants on the Arthropod Community Associated with Green-flowered Milkweed Plants Occupied by Monarch Butterfly Eggs and Larvae. 124th Annual Meeting of the Texas Academy of Sciences, Midland, Texas, March 2-8, 2018.
- Hudman, K.L., Crenshaw, H., Mayhew, J., and Kopachena, J.G. 2018. Effects of Red Imported Fire Ants on the Arthropod Community Associated with Green-flowered Milkweed Plants Occupied by Monarch Butterfly Eggs and Larvae. Texas A&M University – Commerce Annual Research Symposium, April 3rd, 2018.
- Huff, T. and Kopachena, J.G. 2012. A study of the niche structure and habitat utilization of urban dwelling winter birds. Texas A&M University – Commerce, Annual Research Symposium, Texas A&M University – Commerce, Commerce, Texas, 5 April 2012.
- Huff, T. and Kopachena, J.G. 2012. A study of the niche structure and habitat utilization of urban dwelling winter birds. The Texas A&M University System 10th Annual Pathways Student Research Symposium, Texas A&M University at Galveston, Galveston, Texas, November 9-10, 2012.
- Huff, T. and Kopachena, J.G. 2013. A study of the niche structure and habitat utilization of urban dwelling winter birds. 49th Texas Chapter of The Wildlife Society Annual Meeting, Houston, Texas, February 20-23, 2013.
- Miller, Katelyn M. and Kopachena, J.G. 2014. Nest material selection in the eastern bluebird in northeast Texas. Proceedings of the 50th Texas Chapter of The Wildlife Society Annual Meeting, Austin, Texas, February 19-22, 2014.
- Miller, Katelyn M. and Kopachena, J.G. 2016. Reproductive success of barn swallows nesting on buildings along the SH 24 corridor in northeast Texas. Proceedings of the 52nd Texas

- Chapter of The Wildlife Society Annual Meeting, San Antonio, Texas, February 18-20, 2016.
- Miller, Katelyn M. and Kopachena, J.G. 2017. Reproductive success of barn swallows nesting on buildings along the SH 24 corridor in northeast Texas. Proceedings of the 53rd Texas Chapter of The Wildlife Society Annual Meeting, San Antonio, Texas, February 16-18, 2017.
- Nichols, Tammy B. and Kopachena, J.G. 2006. The incidence of American Swallow Bugs in Barn Swallows in northeast Texas. 41st Texas Chapter of The Wildlife Society Annual Meeting, South Padre Island, February 16-18, 2006.
- Nixon, M., Hudman, K., and Casper, E. 2017. Spring survivorship in monarch butterfly eggs and larvae in North Texas. Proceedings of the 53rd Texas Chapter of The Wildlife Society Annual Meeting, San Antonio, Texas, February 16-18, 2017.
- Nixon, M., Hudman, K., and Casper, E. 2017. Spring survivorship in monarch butterfly eggs and larvae in North Texas. South-Central Monarch Symposium, Lady Bird Johnson Wildflower Center, Austin, Texas, May 31 – June 1, 2017.
- Nixon, M., Crenshaw, H., Mayhew, J., and Kopachena, J. 2018. Influence of Arthropod Community Structure on the Survival of Monarch Butterfly Eggs and Larvae in Northeast Texas. 54th Annual Meeting of the Texas Chapter of The Wildlife Society, Dallas, Texas, February 9-11, 2018.
- Nixon, M., Crenshaw, H., Mayhew, J., and Kopachena, J. 2018. Influence of Arthropod Community Structure on the Survival of Monarch Butterfly Eggs and Larvae in Northeast Texas. 124th Annual Meeting of the Texas Academy of Sciences, Midland, Texas, March 2-8, 2018.
- Nixon, M., Crenshaw, H., Mayhew, J., and Kopachena, J. 2018. Influence of Arthropod Community Structure on the Survival of Monarch Butterfly Eggs and Larvae in Northeast Texas. Texas A&M University – Commerce Annual Research Symposium, April 3rd, 2018.
- Richardson, Jade M., Flanders, A.A., Kopachena, J.G., and Harp, D.A. 2006. Analyses of Soil Properties Associated with Nest Sites in Interior Least Terns. 41st Texas Chapter of The Wildlife Society Annual Meeting, South Padre Island, February 16-18, 2006.
- Rogers, Heather A., and J.G. Kopachena. 2006. A herpetological survey of the Cowleech Prairie Preserve in northeast Texas. 41st Texas Chapter of The Wildlife Society Annual Meeting, South Padre Island, February 16-18, 2006.
- Salinas, Anna M. and Kopachena, J.G. 2009. Habitat features associated with Bell's vireo (*Vireo Bellii*) song perches in northeast Texas. 44th Texas Chapter of The Wildlife Society Annual Meeting, Lubbock, Texas, February, 2009.
- Salinas, Anna M., Flanders, A.A., and Kopachena, J.G. 2006. Breeding ecology and management of Interior Least Terns on a northeast Texas reservoir. 41st Texas Chapter of The Wildlife Society Annual Meeting, South Padre Island, February 16-18, 2006.
- Scauzillo, R., And Kopachena, J.G. 2012. Habitat associations of small mammals in the Erwin Bottom. Texas A&M University – Commerce, Annual Research Symposium, Texas A&M University – Commerce, Commerce, Texas, 5 April 2012.
- Scauzillo, R., And Kopachena, J.G. 2014. The pygmy mouse in Hunt Co., Texas. Proceedings of the 50th Texas Chapter of The Wildlife Society Annual Meeting, Austin, Texas, February 19-22, 2014.

- Scott, A.R. and Kopachena, J.G. 2018. Fall survival of monarch butterfly (*Danaus plexippus*) eggs and larvae in northeast Texas. 124th Annual Meeting of the Texas Academy of Sciences, Midland, Texas, March 2-8, 2018.
- Scott, A.R. and Kopachena, J.G. 2018. Fall survival of monarch butterfly (*Danaus plexippus*) eggs and larvae in northeast Texas. Texas A&M University – Commerce Annual Research Symposium, April 3rd, 2018.
- Sherrard, A., and Kopachena, J.G. 2012. Dominance and reproductive success in syntopic nesting Barn Swallows (*Hirundo rustica*) and Cave Swallows (*Petrochelidon fulva*). Texas A&M University – Commerce, Annual Research Symposium, Texas A&M University – Commerce, Commerce, Texas, 5 April 2012.
- Sherrard, A., and Kopachena, J.G. 2012. Dominance and reproductive success in syntopic nesting Barn Swallows (*Hirundo rustica*) and Cave Swallows (*Petrochelidon fulva*). The Texas A&M University System 10th Annual Pathways Student Research Symposium, Texas A&M University at Galveston, Galveston, Texas, November 9-10, 2012.
- Sherrard, A., and Kopachena, J.G. 2013. Habitat stratification of syntopic nesting Barn Swallows (*Hirundo rustica*), Cave Swallows (*Petrochelidon fulva*), and Cliff Swallows (*Petrochelidon pyrrhonota*) in northeast Texas. Texas A&M University - Commerce Annual Research Symposium, 4 April 2013, Commerce, Texas.
- Turley, A. and Kopachena, J.G. 2013. Habitat suitability model for the Bell's Vireo in northeast Texas. Texas A&M University - Commerce Annual Research Symposium, 4 April 2013, Commerce, Texas.
- Turley, A. and Kopachena, J.G. 2014. Habitat suitability model for the Bell's vireo in northeast Texas. Proceedings of the 50th Texas Chapter of The Wildlife Society Annual Meeting, Austin, Texas, February 19-22, 2014.
- Tynes, Ashleigh P. and Kopachena, J.G. 2014. Habitat stratification of syntopic nesting barn swallows, cave swallows, and cliff swallows in northeast Texas. Proceedings of the 50th Texas Chapter of The Wildlife Society Annual Meeting, Austin, Texas, February 19-22, 2014.
- Tynes, Ashleigh P. and Kopachena, J.G. 2015. Habitat stratification of barn swallows, cave swallows, and cliff swallows nesting on highway structures in northeast Texas. Proceedings of the 51st Texas Chapter of The Wildlife Society Annual Meeting, Corpus Christi, Texas, February 19-21, 2015.
- Tynes, Jerrod, G., and Kopachena, J.G. 2012. The ecological segregation and composition of snake communities from the Erwin Bottom in Hunt Co., Texas. Fall 2012 Symposium of the Texas Herpetological Society, October 27, 2012.
- Tynes, Jerrod, G., and Kopachena, J.G. 2012. The ecological segregation and composition of snake communities from the Erwin Bottom in Hunt Co., Texas. North Texas Life Science Research Symposium, University of North Texas Health Science Center, 3 November 2012.
- Tynes, Jerrod, G., and Kopachena, J.G. 2013. A survey of snake communities from the Erwin Bottom in Hunt Co., Texas. 49th Texas Chapter of The Wildlife Society Annual Meeting, Houston, Texas, February 20-23, 2013.
- Tynes, Jerrod, G., and Kopachena, J.G. 2014. A herpetological survey of the Texas A&M University–Commerce Created Wetlands in Hunt County, Texas. Proceedings of the 50th

- Texas Chapter of The Wildlife Society Annual Meeting, Austin, Texas, February 19-22, 2014.
- Tynes, Jerrod, G., Scauzillo, R., Turley, A., Whaley, A. and Kopachena, J.G. 2014. A biological survey of the Texas A&M University-Commerce Wetland in Hunt County, Texas. Proceedings of the 50th Texas Chapter of The Wildlife Society Annual Meeting, Austin, Texas, February 19-22, 2014.
- VanCleve, M. and Kopachena, J.G. 2007a. Screening of American Swallow Bugs (*Oeciacus vicarius*) inhabiting the nests of Barn Swallows (*Hirundo rustica*) for arbovirus. Annual District Convention. Beta Beta Beta Biological Honours Society, University of Oklahoma Field Station, Oklahoma, March 31, 2007.
- VanCleve, M. and Kopachena, J.G. 2007b. Screening of American Swallow Bugs (*Oeciacus vicarius*) inhabiting the nests of Barn Swallows (*Hirundo rustica*) for arbovirus. Sigma Xi Student-Faculty Research Forum, 26 April 2007, Texas A&M University - Commerce, Commerce, TX.
- Whaley, A.M. and Kopachena, J.G. 2013. The evaluation of the effects of prescribed fire, tillage, and herbicide applications to decrease exotic vegetation and to re-establish native blackland tallgrass prairie vegetation on old cotton fields in Hunt County, Texas. Texas A&M University - Commerce Annual Research Symposium, 4 April 2013, Commerce, Texas.
- Whaley, A.M., Kopachena, J.G., and Eidson, J. 2014. An evaluation of the effects of prescribed fire, tillage, and herbicide to decrease exotic vegetation and to re-establish native vegetation on old fields within the Blackland Prairie Ecoregion of Texas. Proceedings of the 50th Texas Chapter of The Wildlife Society Annual Meeting, Austin, Texas, February 19-22, 2014.
- Whaley, A.M., Kopachena, J.G., and Eidson, J. 2015. Effects of prescribed fire, tillage, and herbicide to re-establish native vegetation on old fields within the blackland prairie ecoregion of Texas. Proceedings of the 51st Texas Chapter of The Wildlife Society Annual Meeting, Corpus Christi, Texas, February 19-21, 2015.

INVITED LECTURES

- Evidence for the optimization of parental care. Queen's University Biological Seminar Series, March, 1990. Queen's University, Kingston, Ontario.
- Polymorphism and secondary sex characters in White-throated Sparrows. Sigma Xi, Bi-annual Dinner, October, 1994. East Texas State University, Commerce, Texas.
- Sex and polymorphism in White-throated Sparrows. Biology Seminar Series, October 11, 1997. Texas Women's University, Denton, Texas.
- Breeding Habitats of Painted and Indigo Buntings in Northeast Texas. College of Arts and Sciences Lunch Hour Colloquium Series, November 9, 1999. Texas A&M University – Commerce, Commerce, Texas.
- Spring survival of Monarch (*Danaus plexippus*) eggs and larvae in northeast Texas and the potential role of Red Imported Fire Ants (*Solenopsis invicta*). South-Central Monarch Symposium, Lady Bird Johnson Wildflower Center, Austin, Texas, May 31 – June 1, 2017.
<https://www.youtube.com/watch?v=xbHi5JFVCWo&feature=youtu.be>
- Survival of Monarch (*Danaus plexippus*) eggs and larvae in northeast Texas and the potential role of Red Imported Fire Ants (*Solenopsis invicta*). Texas Comptroller's Office of Engangered

Species and Economic Development, Fall Meeting, San Antonio, Texas, November 9th, 2017.

PROFESSIONAL REVIEWING

Manuscript reviewer for Journal of Field Ornithology.

Manuscript reviewer for Texas Journal of Science.

Manuscript reviewer for Journal of Applied Science.

Manuscript reviewer for Journal of Natural History.

Professional Reviewer for Journal of Field Ornithology's "Current Literature". Published by the Association of Field Ornithologists, 810 E. 10th St., Lawrence, KS 66044.

Reviewer: Chapter 13: Biological Resources, pp. 260-282. *In* Cunningham, W.P and Saigo, B.W. 1995. Environmental Science, 3rd edition. Wm.C. Brown Publishers, Dubuque, IA., U.S.A.

Reviewer: Vertebrate Biology, Chapter 4: Reptiles, Birds, and Mammals; Chapter 16. Intraspecific behavior and ecology. By D Linzey (M. Kemp, Ed.), WCB/McGraw-Hill, Dubuque, IA 52001, December 1998.

Reviewer: Great Texas Birds, by John P. O'Neill, Edited by Suzanne Winckler. Austin (Texas): University of Texas Press. Reviewed at request from Quarterly Review of Biology.

Reviewer: Birds of the Texas Hill Country, By Mark W. Lockwood, forward by Terry Maxwell, drawings by Clemente GuzmanIII. Austin (Texas): University of Texas Press. Reviewed at request from Quarterly Review of Biology.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Academy for Educator Development. Regular Member

American Ornithologists Union. Regular Member

Beta Beta Beta, Biological Honors Society.

The Texas Academy of Science. Regular Member

The National Chapter of the Wildlife Society

The Texas Chapter of the Wildlife Society

The Southwestern Association of Naturalists. Regular Member

The Southeastern Association of Naturalists. Regular Member

The Society for Conservation Biology. Regular Member

SCHOLARSHIPS AND FELLOWSHIPS

Connaught Doctoral Scholarship - 1986 to 1988. Stipend plus academic fees.

Ontario Graduate Scholarship - 1989.

University of Toronto Open Fellowship - 1989. Declined in favor of OGS (above).

RESEARCH GRANTS

Funded Grants:

- Harry Frank Guggenheim Foundation Research Grant - 1994 - 1996. Salary for laboratory technologist, \$50,000.00
- East Texas State University, Faculty Research Grant - 1995 (Equipment Grant)
- East Texas State University Mini Research Grant - Fall 1994
- East Texas State University Mini Research Grant - Spring 1995
- East Texas State University Mini Research Grant - Fall 1995
- Texas A&M University Commerce, Mini Research Grant - Fall 1996.
- Texas A&M University Commerce, Mini Research Grant - Spring 1997.
- Texas A&M University Commerce, Faculty Research Grant - 1997 (Equipment Grant)
- Texas A&M University Commerce, Mini Research Grant - Spring 1998.
- Texas A&M University Commerce, Mini Research Grant - Spring 1999.
- Texas A&M University Commerce, Faculty Research Grant - 2000 (Equipment Grant)
- Texas A&M University Commerce, Mini Research Grant - Fall 2000.
- Texas A&M University Commerce, Faculty Research Grant - 2001 (Equipment Grant)
- Texas A&M University Commerce, Mini Research Grant - Fall 2001.
- Texas A&M University Commerce, Faculty Development Grant – Fall 2001.
- Texas A&M University Commerce, Mini Research Grant – Spring 2002.
- Texas A&M University Commerce, Faculty Development Grant – Spring, 2003.
- Texas A&M University Commerce, Mini Research Grant – Spring 2003.
- Texas A&M University Commerce, Faculty Development Grant – Spring, 2004
- Texas A&M University Commerce, Faculty Travel Grant – Spring, 2005
- Texas A&M University Commerce, Faculty Development Grant – Spring, 2006
- Texas A&M University – Commerce, Faculty Travel Grant – Spring 2007.
- Texas A&M University – Commerce, Mini Grant – Spring 2007.
- The Nature Conservancy of Texas - \$1500.00 for student support of restoration activities at Cowleech Prairie Preserve.
- NSF-S-STEM Grant Program. Scholarships and Research Experiences for Transfer Students to Excel in Science and Engineering. B. Jang (PI), M. Elam, J. Kopachena, B. Li (Co-PIs). Awarded August 2008 for \$593,700.00.
- Texas A&M University – Commerce, Special funding from President’s Office to support research on Urban Control of Great-tailed Grackles. Awarded March 2009 for \$7000.00
- Dallas Urban Solutions Center, Texas AgriLife Extension Program. Biology and control of urban Great-tailed Grackles. Awarded March 2009 for \$60,000.00 to support research salary for study of great-tailed grackles. Project represents cooperative agreement between Texas A&M University-Commerce, Texas Agricultural Extension Service, and Texas A&M University.
- Texas Comptroller of Public Accounts, Office of Economic Growth and Endangered Species Management. Pilot study on the potential role of Red Imported Fire Ants (*Solenopsis*

invicta) on Monarch Butterfly (*Danaus plexippus*) reproductive recruitment in northeast Texas. Awarded \$10,141.04 in March 2016.

Texas Comptroller of Public Accounts, Office of Economic Growth and Endangered Species Management. Ecological role of Red Imported Fire Ants (*Solenopsis invicta*) and their influence on Monarch Butterfly (*Danaus plexippus*) egg and larval survival in northeast Texas. Awarded \$92,000.00 in October 2016.

Grants Submitted

NSF k-12 program. Improving Science Education in the Northeast Texas Region. B. Li (PI), J. Kopachena (Co-PI), Mark Reid (Co-PI), Lawrence Angel (Co-PI). Submitted in 2009 for \$2,844,544.00. Not funded.

THECB-ARP Grant Program. Characterization and analysis of a neural stem cell intermediates. F. Miskevich (PI) and J. Kopachena (Co-PI). Submitted July, 2008 for \$150,000.00. Not funded.

NSF-REU Grant Program. Biological Processes in Human Dominated Landscapes. J. Kopachena (PI), J. Heitholt (Co-PI). Submitted Aug., 18, 2008 for \$264,579.00. Not Funded.

NSF-URM Grant Program. Success in Undergraduate Research Excellence - Northeast Texas (SURE-NET). J. Kopachena (PI), J. Cain, M. Hanna, F. Miskevich (Co-PIs). Submitted Sept. 16, 2008 for \$300,000.00. Not funded.

NSF STEP Grant Program. Internships and Supportive Curriculum Creating Enhanced Educational Development. R. Kreminski (PI), A. Chourasia, M. Elam, B. Jang, J. Kopachena (Co-PIs). Submitted Sept. 20, 2008 for \$922,067.00. Not funded.

NIH-Bridges to the Baccalaureate Program. SUPERB – Successful Undergraduate Progression Enhanced by Research in Biomedicine. J. Kopachena (PI). Submitted January, 2010 for \$1,323,789.00. Not Funded.

ACADEMIC AND PROFESSIONAL RECOGNITION (PERSONAL)

National Academies Education Fellow in the Life Sciences, 2013-2014.

Honors Professor of the Year, 1997. Texas A&M University - Commerce.

Best Faculty Presentation, 2002. 2002 Texas A&M University - Commerce Annual Sigma Xi Student/Faculty Research Symposium

Kappa Alpha Teacher of the Month, April 2002. Texas A&M University – Commerce.

ACADEMIC AND PROFESSIONAL RECOGNITION (MENTORED STUDENTS)

Foundation Research Grant. Tri-Beta Biological Honours Society – awarded December 1995, to Juliet Healy for arsenic research project.

Graduation with Highest Honours. Awarded December, 1995, to C.M. Kollar, for herpetology project.

Foundation Research Grant. Tri-Beta Biological Honours Society – awarded December 1996, to Terri Miller for turtle project.

First place, Graduate Student Presentation Competition. Annual District Convention of the Tri-Beta Biological Honours Society – awarded April 1997, to Chris Crist for bunting research presentation.

Best Undergraduate Presentation. Awarded to Juliet Healy for arsenic research presentation. Annual Sigma Xi Student Forum, April 1997.

Second Place, Graduate Presentation. Awarded to Chris Crist for bunting research presentation. Annual Sigma Xi Student Forum, April 1997.

Foundation Research Grant. Tri-Beta Biological Honors Society – awarded December 1999 to Robert Cloud for ladybug research.

Foundation Research Grant. Tri-Beta Biological Honors Society – awarded December 2000 to Curtis Lane for ladybug research.

Foundation Research Grant. Tri-Beta Biological Honors Society – awarded November 2001 to Shayne Ffredelis for barn swallow research.

Best Undergraduate Presentation. Awarded to Shayne Ffradelis for barn swallow research presentation. 2002 Texas A&M University Commerce Annual Sigma Xi Student/Faculty Research Symposium.

Second place, Graduate Student Presentation Competition. Awarded to Kim Strickland for barn swallow research presentation. 2002 Texas A&M University Commerce Annual Sigma Xi Student/Faculty Research Symposium.

Second Place, Graduate Student Poster Competition. Awarded to Tammy Nichols for barn swallow research presentation. 41st Texas Chapter of The Wildlife Society Annual Meeting, South Padre Island, February 16-18, 2006.

Third Place, Texas Academy of Science Annual Student Research Award Competiton. Awarded to Beverly Cochran for barn swallow research proposal. The 109th Annual Meeting of the Texas Academy Science. March 2 – 4, 2006, Lamar University, Beaumont, Texas.

Third Place, Texas A&M Commerce Sigma Xi Chapter. Awarded to Anna Salinas for Interior Least Tern poster. Fifth Annual Student/Faculty Research Symposium, April 20th, 2006, Texas A&M University – Commerce, Commerce, Texas.

Outstanding Graduate Student, Department of Biological and Environmental Sciences. Awarded to Beverly Cochran, April 2007.

Outstanding Graduate Student, Department of Biological and Environmental Sciences. Awarded to Beverly Cochran, April 2008.

Outstanding Graduate Student, Department of Biological and Environmental Sciences. Awarded to Wade Gurley, April 2009.

Summer Research Assistantship. Awarded to Wade Gurley for his proposal: Ecological segregation among three species of swallows in northeast Texas. April 2008.

Jerry and Marilyn Morris Distinguished Master’s Student Scholarship. Awarded to Beverly Cochran for her work on the reproductive ecology of American Barn Swallows. April 2008.

Summer Research Assistantship. Awarded to Ashleigh Tynes for her proposal: Habitat stratification of barn swallows, cave swallows, and cliff swallows nesting on highway structures in northeast Texas. April 2013.

- Summer Research Assistantship. Awarded to Katelyn Miller for her proposal:
Reproductive success of barn swallows nesting on buildings along the SH 24
corridor in northeast Texas. May 2016.
- First place, Undergraduate Student Poster Competition. Awarded to Misty Nixon, Kalynn
Hudman, and Emily Casper. 2017 Annual Meeting of the Texas Chapter of the
Wildlife Society.
- Texas A&M University Commerce Undergraduate Research Grant. Awarded to Ross
Renshaw for his proposal: How Monarch Butterfly (*Danaus plexippus*) Egg
Location on Green Milkweed (*Asclepias viridis*) Impacts Survivorship. March 28,
2018.
- First Place Graduate Presentation. Awarded to Kalynn Hudman at the Texas A&M
University - Commerce Annual Research Symposium, April 3, 2018.

STUDENT MENTORSHIP

- Academic advisor for the Texas A&M University – Commerce chapter of the Wildlife Society.
2003 to present.
- Academic advisor for the Delta Gamma Chapter of Beta Beta Beta Biological Honors Society at
Texas A&M University – Commerce. 1997-2002.

CURRENT TEACHING DUTIES

- Advanced Ornithology (BSc 511) –graduate. Online
- Behavioral Ecology (BSc 532) - graduate. Online.
- Biogeography (BSc 531) - graduate. Online
- Community Ecology (BSc 510) - graduate. Online
- Conservation Behavior (BSc 537) - graduate. Online.
- Ecological Genetics (BSc 512) - graduate. Online.
- Ecology (BSc 307) – Blended - junior undergraduate.
- Evolution (BSc 535) - graduate. Online.
- Ornithology (BSc 402) - senior undergraduate.
- Vertebrate Biology (BSc 404) - senior undergraduate.
- Wildlife Management I (Ag/BSc 335) - sophomore undergraduate.
- Wildlife Management II (Ag/BSc 336) - sophomore undergraduate.

PRIOR TEACHING DUTIES

- Field Methods in Wildlife and Conservation Science (BSc 337) , senior year.
- Geospatial Mapping (BSc 417), senior year.
- Behavioral Ecology (BSc 410), senior year.
- Environmental Biology Lecture and lab, sophomore year.
- Environmental Ethics, senior year, Honors Capstone course.
- Evolutionary Biology (BSc 414), senior year.
- Genetics (BSc 204) Lecture and lab, sophomore.

Human Biology (BSc 106) – Lecture and lab, freshman nonmajors.
 Human Biology (BSc 107) Lecture and lab, freshman year.
 Human Ecology Lecture and lab, , sophomore year.
 Methods in Field Biology (BSc 497/511), senior year and graduate
 Our Endangered Planet (BSc 320), junior year.
 Comparative Vertebrate Anatomy (BSc 422), senior year.
 Vertebrate Biology (BSc 534) graduate.

TEACHING ASSISTANTSHIPS

Institution	Course	Supervisor	Date
Univ. Manitoba	Intro. Biology	Dr. L. Graham	09/82 - 04/86
Univ. Manitoba	Chordate anatomy and evolution	Dr. K.W. Stewart	09/82 - 04/86
Univ. Manitoba	Animal Behavior	Dr. R.M. Evans	01/84 - 04/86
Univ. Toronto	Vertebrate Anatomy	Dr. T.S. Parsons	09/86 - 04/88
Univ. Toronto	Intro. Biology	Dr. C. Goldman	09/88 - 04/89
Univ. Toronto	Animal Ecology	Dr. J.B. Falls	09/88 - 04/91
Univ. Toronto	Chordate Anatomy	Dr. T. Parsons	09/88 - 04/91

CURRENT MEMBERSHIP ON UNIVERSITY COMMITTEES

Director: Texas A&M University - Commerce Wildlife and Conservation Science program. Duties are to administer and oversee the Wildlife and Conservation Science program offered jointly by the departments of biology and agriculture. Fall 2003 to present.

Chair: Dept. of Biology and Earth Sciences Graduate Program Committee. Duties are to develop a revised MS program in Biology, develop graduate admission standards, and review graduate applications to the department. Fall 2006 to present.

Member: College of Science, Engineering, and Agriculture Curriculum Committee: Duties are to oversee and approve curriculum changes proposed by departments within the college. Fall 2005 to present.

Member: University Faculty Developmental Leave Committee: Duties are to review faculty applications for developmental leave and provide advisory opinions to the Provost. Fall 2014 to present.

Member: University Mayo Scholarship Committee: Duties are to review student applications for the Mayo Scholarship and to select winners and runners-up. Fall 2014 – present.

PRIOR COMMITTEE MEMBERSHIPS

1995 – 1996 Member: Dean of Arts and Science Search Committee

- 1995 – 1998 Member: Texas A&M University - Commerce Honors Committee. Duties are to vote on the approval of honors thesis proposals and participate in honors student thesis defenses.
- 1997 Member: Physical and Analytical Chemist Search Committee
Member: Biological and Earth Science Department Head Search Committee
- 1997 – 1998 Chair: Biological and Earth Science Department Physiologist Search Committee
- 1998 – 1999 Chair: Biological and Earth Sciences Department Botanist Search Committee.
- 1999 – 2000 Chair: Biological and Earth Sciences Department Biologist Search Committee.
Member: College of Arts and Sciences Academic Programs Taskforce.
Member: College of Arts and Sciences College Reorganization Advisory Committee.
- 1998 – 2000 Joint Chairperson: Department of Biological and Earth Sciences Environmental Science Program Development Committee.
- 1999 – 2002 Member: Graduate Council. Duties are to review graduate programs and make provisions for on-going research and academic endeavors in the Graduate School.
- 2000 – 2002 Chair: Graduate Committee on Curriculum. Duties are to review curriculum changes suggested by departments within the Graduate School and improve the efficiency and delivery of graduate programs.
- 2001 – 2002 Member: Texas A&M University SACS 5A Committee. Duties are to review academic facilities, libraries, and labs for compliance to SACS accreditation criteria.
- 2003 – 2005 Member: Texas A&M University new science building committee. Duties were to determine facilities needed for a new science building to be constructed on campus.
- 2006 (Spring) Vice Chair: Texas A&M University – Commerce Graduate Council. Duties were to convene meetings of the graduate council when the chair was unable to.
- 2004 – 2007 Member: Texas A&M University Library Committee. Duties are to review library activities, develop future library plans, and review acquisitions policies.
- 2004 – 2007 Member: Texas A&M University – Commerce Promotion and Tenure Committee. Duties are to review applications for tenure and promotion and make recommendations based on those applications.
- 2004 – 2008 Member: Texas A&M University – Commerce Honors Council. Duties are to review honor theses proposals, serve on Honors thesis defenses, and develop honors program policy.
- 2005 – 2008 Member: Institutional Animal Care and Use Committee. Duties are to oversee institutional policies regarding the use of live animals and to approve of educational and research protocols.
- 2008 – 2009 Member: Research and Creative Activities Advisory Committee. Duties are to oversee the development and implementation of procedures regarding research and creative activities across campus.

- 2005 – 2014 Member: Texas A&M University – Commerce Administration Committee of the Graduate Council. Duties were to review and revise graduate procedures. Fall 2005 to present.
- 2013 – 2014 Chair: College of Science, Engineering, and Agriculture Curriculum Committee: Duties are to oversee and approve curriculum changes proposed by departments within the college.
- 2005 – 2016 Member: Texas A&M University – Commerce Graduate Council. Duties are to review graduate school policies and procedures, evaluate graduate programs, develop methods to improve graduate school services.
- 2014 – 2016 Member: Texas A&M University – Commerce Graduate faculty, research, and instruction committee of the Graduate Council. Duties are to review and revise graduate faculty applications.
- 2005 – 2016 Member: College of Science, Engineering, and Agriculture Institutional Effectiveness Committee: Duties are to review the programmatic and departmental outcomes and assessment criteria and evaluations.
- 2011 – 2016 Member: College of Science, Engineering, and Agriculture Promotion and Tenure Committee: Duties are to review faculty portfolios for promotion and tenure and come up with advisory opinions regarding promotion and tenure

PROFESSION-RELATED COMMUNITY SERVICES

- 1995 – 1998 Rains County Eagle Fest – Professional Guide and Eagle Spotter. Annual event each January
- 2003 – 2011 Cooper Lake midwinter Bald Eagle survey (Texas Parks and Wildlife Dept.)
- 2004 – 2010 Member of Board of Advisors for Kids Environmental Education Project.
- 2004 – 2010 Member of Board of Directors for Sweeney Environmental Education Center, Boles ISD.
- 2005 – 2012 Member of East Texas Black Bear Task Force (Texas Parks and Wildlife Dept.)
- 2005 – 2014 Member of East Texas Rare Bat Working Group (Texas Parks and Wildlife Dept.)
- 2012 – 2017 Member – Advisory group to the Interagency Task Force on Economic Growth and Endangered Species.

RELATED EXPERIENCE

- Research Assistant, April 1981 - August 1981. Worked under Dr. R.M. Evans, Dept. of Zoology, University of Manitoba. Laboratory studies of behavior in gull chicks. Duties included design and construction of rearing pens and test arenas, incubation and rearing of chicks, banding White Pelican chicks at a breeding colony, and collection of behavioral data.
- Research Assistant, April 1985 - July 1985. Worked under Dr. J.B. Falls, A. Horn, and T.E. Dickinson, Dept. of Zoology, University of Toronto. Field studies on the functions of song and other vocalizations in Western Meadowlarks. Duties included mapping territories, recording vocalizations, conducting playback experiments, finding nests, and measuring nest and territory parameters.

Consultant, January 1986 - March 1986. Hired by Ortho Books (Chevron Chemical Company).
Worked as contributing author for 'The Birds Around Us' (1986, A. Mace, E. Tsakaris
(eds.)).

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