

KIMBERLY A. WITH

Laboratory for Landscape and Conservation Ecology (LLACE)

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POSITIONS

- 2012- Full Professor, Division of Biology, Kansas State University
2002-2011 Associate Professor, Division of Biology, Kansas State University
2000-2001 Assistant Professor, Division of Biology, Kansas State University
1995-2000 Assistant Professor, Department of Biological Sciences, Bowling Green State University, OH
1993-1995 Alexander Hollaender Distinguished Postdoctoral Fellow, Environmental Sciences Division, Oak Ridge National Laboratory, TN (Supervisors: Monica G. Turner, Robert H. Gardner, and Robert V. O'Neill)

EDUCATION

- 1988-1993 Ph.D. in Zoology, Program for Ecological Studies; Colorado State University
Dissertation title: *The translation of patterns across scales: Analysis of movement patterns in a grassland mosaic* Advisor: John A. Wiens
1985-1988 M.S. in Biology, Northern Arizona University
Thesis title: *Factors affecting parental care in Western Bluebirds: A comparison of nestling and fledgling periods* Advisor: Russell P. Balda
1981-1985 B.S. in Biology (Zoology), Minor in Chemistry, Pre-Veterinary Program;
San Francisco State University *Magna cum laude*

HONORS AND AWARDS

- 2020 Marsh Ecology Book of the Year Award, British Ecological Society (With 2019. *Essentials of Landscape Ecology*, Oxford University Press, UK)
2016 Distinguished Landscape Ecologist Award, North American Regional Association of the International Association for Landscape Ecology (IALE-North America; formerly US-IALE)
2002 Award for Outstanding Paper published in the discipline of Landscape Ecology, US-IALE/IALE-North America (With & King 2001. Analysis of landscape sources and sinks: the effect of spatial pattern on avian demography. *Biological Conservation* 100: 75-88)
2000 Elective Member, American Ornithologists' Union
1999 Outstanding Young Scientist Award for Distinguished Research; Sigma Xi, the Scientific Research Honor Society; Bowling Green State University Chapter
1996 Award for Outstanding Paper published in the discipline of Landscape Ecology, US-IALE/IALE-North America (With & Crist 1995. Critical thresholds in species' responses to landscape structure. *Ecology* 76: 2446-2459)
1993 Alexander Hollaender Distinguished Postdoctoral Fellowship, U.S. Department of Energy and Oak Ridge Institute for Science and Education
1991 Boettcher Foundation Graduate Fellowship, Boettcher Foundation, Denver, CO
1990 Graduate Teaching Award, Program for Ecological Studies, Colorado State University

PROFESSIONAL OFFICES

- 2016- Editorial Board, *Current Landscape Ecology Reports*
2007-2018 Editorial Board, *Ecosystems*; handled ~90 manuscripts
2006-2009 Editor for The Americas (Zoological Subject Matter), *Biological Conservation*; handled >400 manuscripts
2004-2006 Ecology Faculty Member, Faculty of 1000 Biology, Spatial & Landscape Ecology section
2003-2005 Strategic Planning Committee for US-IALE: 2010, U.S.–International Association of Landscape Ecology
1998-2005 Editorial Board, *Landscape Ecology*; handled ~75 manuscripts
1998-2000 Councilor-at-large, U.S.–International Association of Landscape Ecology
1997-1999 Strategic Planning Committee, U.S.–International Association of Landscape Ecology
1995-1997 Secretary/Treasurer, Theoretical Ecology Section, Ecological Society of America

PUBLICATIONS

Textbook

- 2019 **With, K. A.** 2019. *Essentials of Landscape Ecology*. Oxford University Press, UK.
Recipient of the 2020 Marsh Ecology Book of the Year Award, British Ecological Society

Research Articles (peer reviewed) Author = member of the LLACE; * = undergraduate author

- Impact Total citations = >6,900 (Web of Science™, Clarivate Analytics)
\$papers cited ≥500 times = 2; †papers cited 200-499 times = 3; ‡papers cited 100-199 times = 9; papers cited ≥50 times = 24; h-index = 31
- 2020 (60) Herse, M., **K. A. With**, and W. A. Boyle. 2020. Grassland fragmentation affects declining tallgrass prairie birds most where large amounts of grassland remain. *Landscape Ecology* 35: 2791-2804.
- 2019 (59) Hesselbarth, M.H.K., M. Sciaini, **K. A. With**, K. Wiegand, and J. Nowosad. 2019. *landscapemetrics*: a new open-source R tool to calculate landscape metrics. *Ecography* 42: 1648-1657. *2020: Highly Cited in Field (top 1% of papers), InCites Essential Science Indicators, Clarivate Analytics*
- (58) **With, K. A.**, and D. M. Pavuk. 2019. Habitat configuration matters when evaluating habitat-area effects on host-parasitoid interactions. *Ecosphere* 10(2): e02604.
- 2018 (57) Cordeiro, E. M. G., J. F. Campbell, T. W. Phillips, and **K. A. With**. 2018. Behavioral and social mechanisms behind pattern formation: An experimental study of animal movement. *Landscape Ecology* 33: 1881–1894.
- (56) Herse, M. R., **K. A. With**, and W. A. Boyle. 2018. The importance of core habitat for a threatened species in changing landscapes. *Journal of Applied Ecology* 55: 2241-2252.
- 2017 (55) Mendes, P., **K. A. With**, L. Signorelli, and P. De Marco Jr. 2017. The relative importance of local versus landscape variables on site occupancy in bats of the Brazilian Cerrado. *Landscape Ecology* 32: 745-762.

- 2016 (54) Signorelli, L., R. P. Bastos, P. De Marco Jr., and **K. A. With**. 2016. Landscape context affects site occupancy of pond-breeding anurans across a disturbance gradient in the Brazilian Cerrado. *Landscape Ecology* 31: 1997-2012.
- (53) **With, K. A.** 2016. Are landscapes more than the sum of their patches? *Landscape Ecology* 31: 969-980.
- 2015 (52) **With, K. A.** 2015. How fast do migratory songbirds have to adapt to keep pace with rapidly changing landscapes? *Landscape Ecology* 30: 1351-1361.
- 2013 (51) Skelsey, P., **K. A. With**, and K. A. Garrett. 2013. Pest and disease management: Why we shouldn't go against the grain. *PLoS ONE*: 8(9): e75892.
- (50) Skelsey, P., **K. A. With**, and K. A. Garrett. 2013. Why dispersal should be maximized at intermediate scales of heterogeneity. *Theoretical Ecology* 6: 203-211.
- 2012 (49) **With, K. A.**, and D. M. Pavuk. 2012. Direct versus indirect effects of habitat fragmentation on community patterns in experimental landscapes. *Oecologia* 170: 517-528.
- 2011 (48) Klug, P. E., J. Fill*, and **K. A. With**. 2011. Spatial ecology of eastern yellowbelly racer (*Coluber constrictor flaviventris*) and Great Plains rat snake (*Pantherophis emoryi*) in a contiguous tallgrass-prairie landscape. *Herpetologica* 67: 428-439.
- (47) Blevins, E., S. M. Wisely, and **K. A. With**. 2011. Historical processes and landscape context influence genetic structure in peripheral populations of the collared lizard (*Crotaphytus collaris*). *Landscape Ecology* 26: 1125-1136.
- (46) **With, K. A.**, and D. M. Pavuk. 2011. Habitat area trumps fragmentation effects on arthropods in an experimental landscape system. *Landscape Ecology* 26: 1035-1048.
- (45) Blevins, E., and **K. A. With**. 2011. Landscape context matters: local vs. landscape effects on abundance and patch occupancy of collared lizards in managed grasslands. *Landscape Ecology* 26: 837-850.
- (44) Klug, P. E., S. M. Wisely, and **K. A. With**. 2011. Population genetic structure and landscape connectivity of the Eastern Yellowbelly Racer (*Coluber constrictor flaviventris*) in the tallgrass prairie of northeastern Kansas, USA. *Landscape Ecology* 26: 281-294.
- 2010 (43) Romero, S., J. F. Campbell, J. R. Nechols, and **K. A. With**. 2010. Search behavior of red flour beetle: response to habitat cues and patch boundaries. *Environmental Entomology* 39: 919-929.
- (42) Klug, P. E., S. L. Jackrel*, and **K. A. With**. 2010. Linking snake habitat use to nest predation risk in grassland birds: the dangers of shrub cover. *Oecologia* 162: 803-813.
- 2009 (41) Klug, P. E., **K. A. With**, and S. M. Wisely. 2009. Microsatellite isolation and development in the Eastern yellowbelly racer (*Coluber constrictor flaviventris*) for use in landscape genetic studies. (Molecular Ecology Resources database accessions 37758–37769). <http://tomato.biol.trinity.edu/>. Cited as: Molecular Ecology Resources Primer Development Consortium et al. 2009. Permanent Genetic Resources added to Molecular Ecology Resources Database 1 May 2009–31 July 2009. *Molecular Ecology Resources* 9: 1460-1466.
- (40) Long, A. M., W. E. Jensen, and **K. A. With**. 2009. Nest orientation in the Grasshopper Sparrow and Eastern Meadowlark in relation to wind direction. *Condor* 111: 395-399.
- (39) Margosian, M. L. K. A. Garrett, J. M. S. Hutchinson, and **K. A. With**. 2009. Connectivity of the American agricultural landscape: Assessing the national risk of disease and crop pest spread. *BioScience* 59: 141-151.

- (38) Romero, S., J. F. Campbell, J. R. Nechols, and **K. A. With**. 2009. Movement behavior in response to landscape structure: role of functional grain. *Landscape Ecology* 24: 39-51.
- (37) Rahmig, C. J., W. E. Jensen, and **K. A. With**. 2009. Grassland bird responses to land management in the largest remaining tallgrass prairie. *Conservation Biology* 23: 420-432.
- 2008 (36) **With, K. A.**, A. W. King, and W. E. Jensen. 2008. Remaining large grasslands may not be sufficient to prevent grassland bird declines. *Biological Conservation* 141: 3152-3167.
- Featured on science-based websites: ScienceDaily: “Birds in Flint Hills of Kansas, Oklahoma Face Population Decline Despite Large Habitat” (3/3/09); EurekAlert! (3/3/09); LabSpaces.net: “Birds face population decline despite large habitat” (3/3/09); FirstScience.com: “Birds in Flint Hills of Kansas, Oklahoma face population decline despite large habitat” (3/3/09); e! Science News (3/3/09); Science Centric (3/4/09)
 - Featured newspaper articles: Topeka Capital-Journal: “Birds declining in Flint Hills: A study spearheaded by a Kansas State University professor indicates three bird species common to the Flint Hills are declining in population” (3/22/09); Manhattan Mercury (Kansas): “Prairie Life Getting Tougher on Bird Species” (3/23/09)
 - Picked up by the Associated Press and published in abbreviated form in papers nationwide
- (35) Frey, C. M., W. E. Jensen, and **K. A. With**. 2008. Topographic patterns of nest placement and habitat quality for grassland birds in the Flint Hills. *American Midland Naturalist* 160: 220-234.
- 2007 (34) Scheiman, D. M., J. B. Dunning, Jr., and **K. A. With**. 2007. Metapopulation dynamics of Bobolinks occupying agricultural grasslands in the Midwestern United States. *American Midland Naturalist* 158: 415-423.
- 2006 (33) **With, K. A.**, G. R. Schrott, and A. W. King. 2006. The implications of metalandscape connectivity for population viability in migratory songbirds. *Landscape Ecology* 21: 157-167.
- 2005 (32) Schrott, G. R., **K. A. With**, and A. W. King. 2005. Demographic limitations of the ability of habitat restoration to rescue declining populations. *Conservation Biology* 19: 1181-1193.
- (31) Schrott, G. R., **K. A. With**, and A. W. King. 2005. On the importance of landscape history for assessing extinction risk. *Ecological Applications* 15: 493-506.
- 2004 (30) **With, K. A.**, and A. W. King. 2004. The effect of landscape structure on community self-organization and critical biodiversity. *Ecological Modelling* 179: 349-366.
- (29) †**With, K. A.** 2004. Assessing the risk of invasive spread in fragmented landscapes. *Risk Analysis* 24: 803-815. *"Recommended" by Faculty of 1000 Biology*
- 2002 (28) ‡**With, K. A.** 2002. The landscape ecology of invasive spread. *Conservation Biology* 16: 1192-1203.
- (27) †**With, K. A.**, D. M. Pavuk, J. L. Worchuck*, R. K. Oates*, and J. L. Fisher*. 2002. Threshold effects of landscape structure on biological control in agroecosystems. *Ecological Applications* 12: 52-65.
- (26) †King, A. W., and **K. A. With**. 2002. Dispersal success in spatially structured landscapes: when do spatial pattern and dispersal behavior really matter? *Ecological Modelling* 147: 23-39.
- 2001 (25) §Sakai, A. K., F. W. Allendorf, J. S. Holt, D. M. Lodge, J. Molofsky, **K. A. With**, S. Baughman, R. J. Cabin, J. E. Cohen, N. C. Ellstrand, D. E. McCauley, P. O’Neill, I. M. Parker, J. N. Thompson, and S. G. Weller. 2001. The population biology of invasive species. *Annual Review of Ecology and Systematics* 32: 305-332.

- (24) **With, K. A.**, and A. W. King. 2001. Analysis of landscape sources and sinks: the effect of spatial pattern on avian demography. *Biological Conservation* 100: 75-88. [Recipient of the 2002 Award for Outstanding Paper published in the field of landscape ecology \(US-IALE/IALE-North America\)](#)
- 1999 (23) †**With, K. A.**, [S. J. Cadaret](#), and C. Davis*. 1999. Movement responses to patch structure in experimental fractal landscapes. *Ecology* 80: 1340-1353.
- (22) †**With, K. A.**, and A. W. King. 1999. Extinction thresholds for species in fractal landscapes. *Conservation Biology* 13: 314-326.
- (21) †**With, K. A.**, and A. W. King. 1999. Dispersal success in fractal landscapes: a consequence of lacunarity thresholds. *Landscape Ecology* 14: 73-82.
- 1997 (20) **With, K. A.** 1997. The theory of conservation biology. *Conservation Biology* 11: 1436-1440.
- (19) †**With, K. A.** 1997. The application of neutral landscape models in conservation biology. *Conservation Biology* 11: 1069-1080.
- (18) †**With, K. A.**, and A. W. King. 1997. The use and misuse of neutral landscape models in ecology. *Oikos* 79: 219-229.
- (17) †**With, K. A.**, R. H. Gardner, and M. G. Turner. 1997. Landscape connectivity and population distributions in heterogeneous environments. *Oikos* 78: 151-169.
- 1996 (16) **With, K. A.**, and T. O. Crist. 1996. Translating across scales: simulating species distributions as the aggregate response of individuals to heterogeneity. *Ecological Modelling* 93: 125-137.
- 1995 (15) §**With, K. A.**, and T. O. Crist. 1995. Critical thresholds in species' responses to landscape structure. *Ecology* 76: 2446-2459. [Recipient of the 1996 Award for Outstanding Paper published in the field of landscape ecology \(US-IALE/IALE-North America\)](#)
- (14) †**Wiens, J. A.**, T. O. Crist, **K. A. With**, and B. T. Milne. 1995. Fractal patterns of insect movement in microlandscape mosaics. *Ecology* 76: 663-666.
- 1994 (13) **With, K. A.** 1994. Ontogenetic shifts in how grasshoppers interact with landscape structure: an analysis of movement patterns. *Functional Ecology* 8: 477-485.
- (12) †**With, K. A.** 1994. Using fractal analysis to assess how species perceive landscape structure. *Landscape Ecology* 9: 25-36.
- (11) **With, K. A.** 1994. The hazards of nesting near shrubs for a grassland bird, the McCown's Longspur. *Condor* 96: 1009-1019.
- 1993 (10) **With, K. A.** and D. R. Webb. 1993. Microclimate of ground nests: the relative importance of radiative cover and wind breaks for three grassland species. *Condor* 95: 401-413.
- 1990 (9) **With, K. A.**, and M. L. Morrison. 1990. Flock formation of two parids in relation to cyclical seed production in a pinyon-juniper woodland. *Auk* 107: 522-532.
- (8) **With, K. A.**, and R. P. Balda. 1990. Intersexual variation and factors affecting parental care in Western Bluebirds: a comparison of nestling and fledgling periods. *Canadian Journal of Zoology* 68: 733-742.
- 1987 (7) Morrison, M. L., **K. A. With**, I. C. Timossi, and K. A. Milne. 1987. Composition and temporal variation of flocks in the Sierra Nevada. *Condor* 89: 739-745.
- (6) Block, W. M., **K. A. With**, and M. L. Morrison. 1987. On measuring bird habitat: influence of observer variability and sample size. *Condor* 89: 241-251.

- (5) Morrison, M. L., **K. A. With**, I. C. Timossi, W. M. Block, and K. A. Milne. 1987. Foraging behavior of bark-foraging birds in the Sierra Nevada. *Condor* 89: 210-204.
- (4) Morrison, M. L., and **K. A. With**. 1987. Interseasonal and intersexual resource partitioning in Hairy and White-headed woodpeckers. *Auk* 104: 225-233.
- (3) Morrison, M. L., I. C. Timossi, and **K. A. With**. 1987. Development and testing of linear regression models predicting bird-habitat relationships. *Journal of Wildlife Management* 51: 247-253.
- 1986 (2) Morrison, M. L., **K. A. With**, and I. C. Timossi. 1986. The structure of a forest bird community during winter and summer. *Wilson Bulletin* 98: 214-230.
- 1985 (1) Morrison, M. L., I. C. Timossi, **K. A. With**, and P. N. Manley. 1985. Use of tree species by forest birds during winter and summer. *Journal of Wildlife Management* 49: 1098-1102.

Research Articles (non-refereed)

- 2005 Oates, R. K., D. M. Pavuk, F. F. Purrington, **K. A. With**, M. L. Bergolc, K. Hite-Bechstein, and L. Hughes-Williams. 2005. Carabid beetle (Coleoptera: Carabidae) diversity in forest fragments of northwestern Ohio. *American Entomologist* 51: 237-239. [Quarterly publication of the Entomological Society of America]
- 1988 **With, K. A.** 1988. Parental care in western bluebirds during the nestling and fledgling periods. *Sialia* 10 (4): 123-129. [Quarterly publication of the North American Bluebird Society; renamed *Bluebird* in 2008]

Book Chapters

- 2007 (9) **With, K. A.** 2007. The ghosts of landscapes past haunt the landscape ecology of the present...and the future. Pp. 43-58 in *Temporal Explicitness in Landscape Ecology: Wildlife Responses to Changes in Time* (J. A. Bissonette and I. Storch, Editors). Springer-Verlag, NY (Peer reviewed)
- 2006 (8) Taylor, P., L. Fahrig, and **K. A. With**. 2006. Landscape connectivity: Back to the basics. Pp. 29-43 in *Connectivity Conservation* (K. Crooks and M. Sanjayan, Editors). Cambridge University Press, Cambridge, UK (Peer reviewed)
- 2005 (7) **With, K. A.** 2005. Case Study: Assessing extinction risk in Neotropical migratory songbirds: The need for landscape-based demographic models. Pp. 449-453 in *Principles of Conservation Biology*, 3rd edition (M. Groom, G. K. Meffe, C. R. Carroll, and contributors). Sinauer Associates, Sunderland, MA
- (6) **With, K. A.** 2005. Landscape conservation: A new paradigm for the conservation of biodiversity. Pp. 238-247 in *Issues and Perspectives in Landscape Ecology* (J. A. Wiens and M. R. Moss, editors). Cambridge University Press, UK
- 2004 (5) **With, K. A.** 2004. Metapopulation dynamics: Perspectives from landscape ecology. Pages 23-44 in *Metapopulation Dynamics: Ecology, Genetics, and Evolution of Metapopulations* (I. Hanski and O. E. Gaggiotti, editors). Academic Press, San Diego, CA (Peer reviewed)
- 2002 (4) **With, K. A.** 2002. Using percolation theory to assess landscape connectivity and the effects of habitat fragmentation. Pages 105-130 In *Applying Landscape Ecology in Biological Conservation* (K. J. Gutzwiller, editor). Springer-Verlag, NY. (Peer reviewed)

- (3) **With, K. A.** 2002. Landscape connectivity and metapopulation dynamics. Pages 208-227 In *Learning Landscape Ecology: A Practical Guide to Concepts and Techniques* (S.E. Gergel and M. G. Turner, editors). Springer-Verlag, NY (Peer reviewed)
- 1999 (2) **With, K. A.** 1999. Is landscape connectivity necessary and sufficient for wildlife management? Pp. 97-115 In *Forest Fragmentation: Wildlife and Management Implications* (J. A. Rochelle, L. A. Lehmann, and J. Wisniewski, editors). Brill Academic Publishers, Leiden, The Netherlands. (Peer reviewed)
- 1994 (1) **With, K. A.** 1994/2010 (updated). McCown's Longspur (*Calcarius mccownii*). In *The Birds of North America*, No. 96 (A. Poole and F. Gill, eds.). Philadelphia: The Academy of Natural Sciences; Washington, DC.: The American Ornithologists' Union. (Peer reviewed)

Book Reviews

- 2003 **With, K. A.** 2003. How to Excel in conservation biology. *Conservation Biology* 17: 931-933.
- 2000 **With, K. A.** 2000. Fragile Dominion: Complexity and the Commons. *Quarterly Review of Biology* 75: 346-348.
- 1997 **With, K. A.** 1997. Null models in community ecology. *Ecology* 78: 2642-2643.

OTHER RESEARCH PRODUCTS

- 2018 –**R Package contributor** [ctb]: M. H. K. Hesselbarth [aut, cre], M. Sciaini [aut], J. Nowosad [aut], L. Graham [ctb], **K. A. With** [ctb], J. Hollister [ctb], M. Strimas-Mackey [ctb], J. VanDerWal [ctb], and F. Privé [ctb]. Package 'landscapemetrics': Landscape Metrics for Categorical Map Patterns. <https://CRAN.R-project.org/package=landscapemetrics>
- Data**: Herse, M. R., **K. A. With**, and W. A. Boyle. 2018. The importance of core habitat for a threatened species in changing landscapes. *Journal of Applied Ecology* 55: 2241-2252. Dryad Digital Repository: <https://datadryad.org/resource/doi:10.5061/dryad.9pr1476>
- 2009 –**Genetic Primers (microsatellites)**: Klug, P. E., **K. A. With**, and S. M. Wisely. 2009. Microsatellite isolation and development in the Eastern yellowbelly racer (*Coluber constrictor flaviventris*) for use in landscape genetic studies. *Molecular Ecology Resources Database* No. 37758–37769. GenBank Ascension Number: GQ371177–GQ371188
<https://www.ncbi.nlm.nih.gov/nucleotide/>

RESEARCH GRANTS

Extramural Awards (total = \$2,489,370; total as lead or sole PI = \$714,344)

- 2011-2012 Garrett, K. A. (PI), C. Scoglio, **K. A. With**, and S. Hutchinson. *Optimizing strategies for rapid response*. USDA APHIS Farm Bill 10201, \$113,460. Funding Period: 1 September 2011-31 August 2012
- 2005-2011 Mundt, C. (PI), K. A. Garrett, **K. A. With**, J.P. Stack, and X.B. Yang. *Collaborative Research: Epidemic waves, landscape heterogeneity, and spatial scale*. Ecology of Infectious Disease, National Science Foundation, \$1,362,000/\$363,000 KSU (EF-0525712). Funding Period: 1 October 2005-30 September 2011
- 2005-2008 Dodds, W. K. (PI), **K. A. With**, K. B. Gido, and J. K. Koelliker. *Ecosystem thresholds and alternate states in Great Plains rivers and streams: Cascading effects of anthropogenic hydrologic disturbance*. RFA: Understanding Ecological Thresholds Through Retrospective Analysis,

- Science to Achieve Results Program, Environmental Protection Agency (GOB0600105), \$299,566. Funding Period: 11 July 2005-10 July 2008
- 2003-2007 **With, K. A. (PI)**. *A regional assessment of population viability for grassland birds in agroecosystems*. Managed Ecosystems Program, USDA-CREES NRI Competitive Grants Program, \$350,000. Funding Period: 1 September 2003-31 August 2007
- 2001-2004 **With, K. A. (PI)**. *Assessment of extinction risk in dynamic landscapes*. RFA: Wildlife Risk Assessment–Area 2, Science to Achieve Results Program, Environmental Protection Agency (R82-909001), \$219,415. Funding Period: 29 October 2001-30 April 2004
- 1997-1999 **With, K. A. (PI)**, and D. M. Pavuk. *The effect of habitat fragmentation on biodiversity and trophic linkages in experimental fractal landscapes*. Conservation and Restoration Biology Program, National Science Foundation (DEB-9610159), \$65,000 (includes 2 REU Supplemental Grants). Funding period: 15 August 1997-14 August 1999
- 1997 **With, K. A. (PI)**, and R. N. Kappel, III. *Habitat utilization by the endangered gray bat, *Myotis grisescens**. Georgia Department of Natural Resources, Wildlife Resources Division, \$4929. Funding period: 1 January - 1 September 1997
- 1996-1998 **With, K. A. (PI)**, and A. H. Porter. *The application of neutral landscape models to conservation biology*. Conservation and Restoration Biology Program, National Science Foundation (DEB-9532079), \$75,000. Funding period: 19 June 1996-18 June 1998

Intramural Awards (total = \$42,287)

- 2019 **With, K. A.** Matching funds for FDA awarded for travel to the 10th World Congress of the International Association for Landscape Ecology in Milan, Italy (1-5 July 2019). Biology Research and Instruction Enhancement Fund, \$2238.
- With, K. A.** Travel to attend and present at the 10th World Congress of the International Association for Landscape Ecology: Nature and Society Facing the Anthropocene (1-5 July 2019; Milan, Italy). Faculty Development Award, College of Arts and Sciences, Kansas State University, \$2238.
- With, K. A.** Travel to attend and present at the US-IALE Annual Meeting (Ft. Collins, CO), 7-11 April 2019. Biology Research and Instruction Enhancement Fund, \$1500.
- With, K. A.** Open-access publication fee (With & Pavuk 2019. Habitat configuration matters when evaluating host-parasitoid interactions. *Ecosphere* 10: e02604). Kansas State University Open Access Publication Fund, \$1500.
- 2015 **With, K. A.** Travel award for Dr. Luciana Signorelli (a postdoctoral researcher in the LLACE) to attend and present at the 9th World Congress of the International Association for Landscape Ecology (5-10 July 2015; Portland, OR). Biology Research and Instruction Enhancement Fund, \$2306.
- 2008-2009 **With, K.A.** *Are current land-management practices altering landscape permeability and population connectivity in the Flint Hills?* University Small Research Grant Program (USRG), Kansas State University, \$3000. Funding Period: November 2008-November 2009
- 2007-2009 **With, K. A.**, and S. M. Wisely. *Using landscape genetics of an elusive predator to assess predation risk and ecological traps for grassland birds*. August 2007-2009. EGI-KSU Bulk Fragment Analysis and Genotyping Grant, \$5000. Funding Period: August 2007-2009

- 2007-2008 **With, K. A.** *Using landscape genetics of an elusive predator to assess predation risk and ecological traps for grassland birds.* Biology Research and Instruction Enhancement Fund, \$5515. Funding Period: 1 May 2007-31 May 2008
- 2007-2008 **With, K. A.** *Using landscape genetics of an elusive predator to assess predation risk and ecological traps for grassland birds.* USRG, \$3000. Funding Period: 1 July 2007-30 June 2008
- 2001-2002 **With, K. A.** *Dynamics of resource availability and the invasion of grasslands by exotic species.* Mentoring Fellowship for Women in Sciences and Engineering, Kansas State University, \$6000. Funding Period: 1 July 2001-30 June 2002
- 1996-1997 **With, K. A.** *An integrative approach to conservation and biological control in a landscape mosaic: Forest fragments in an agroecosystem context.* Faculty Research Committee Major Grant Award, Bowling Green State University, \$9990. Funding period: 1 July 1996-30 June 1997

Total Extramural and Intramural Awards = \$2,531,657 (\$756,631 as lead or sole PI)

PRESENTATIONS

Keynote Address/Plenary Speaker

- 2018 **Keynote:** *The false dichotomy of the habitat amount versus fragmentation debate.* 24th Annual Front Range Student Ecology Symposium: *Piecing Together a Fragmented World*, Colorado State University, Fort Collins, CO [Student invitation](#)
- 2008 **Plenary:** *Landscape function and dysfunctional landscapes: Uncoupling pattern from process.* Annual Meeting of the U.S.-International Association for Landscape Ecology, Madison, WI
- 2001 **Keynote:** *The effect of landscape structure on critical biodiversity;* 4th Annual Spring Ecology Symposium, University of Wisconsin–Madison

Invited Institutional Seminars

- 2020 - Guest lecture, undergraduate landscape ecology course (GES 305—Landscape Ecology); University of Maryland, Baltimore County (November 2020; virtual lecture)
- *The Habitat Amount vs. Fragmentation Debate: Does Fragmentation Still Matter?*
- 2019 –Seminários dos alunos ("Students' seminar"), Graduate Program in Ecology and Evolution, Institute of Biological Sciences, Federal University of Goiás, Goiânia, Goiás, Brazil (August 2019) [Student invitation](#)
- *The Habitat Amount vs. Fragmentation Debate: Does Fragmentation Still Matter?*
- 2017 –Research Training Group: *Scaling Problems in Statistics*, Department of Ecosystem Modelling, Georg-August University, Göttingen, Germany (November 2017)
- *Using neutral landscape models to parse the relative effects of habitat amount and fragmentation on community patterns in an experimental agroecosystem*
 - *The relative importance of local vs. landscape factors on species' site-occupancy patterns in the Brazilian Cerrado*
- 2015 –10th Annual Student Colloquium: *Conservation and Diversity of the Landscape: Structure, Connectivity and Resilience.* Instituto de Ecología A.C. (INECOL), Xalapa, Veracruz, Mexico (October 2015) [Student invitation](#)
- *Defining landscape connectivity with neutral landscapes models: Critical thresholds in landscape connectivity and the potential for invasive spread*

- *A top-down approach to the experimental design of fragmentation studies: Using neutral landscape models to study habitat-area and fragmentation effects on ecological responses*
 - Workshop: *An introduction to landscape ecology and analysis*. This day-long workshop was attended by ~30 graduate students at the Institute for Ecology (INECOL)
- 2012 –Ecology and Evolutionary Biology Seminar Series, Division of Biological Sciences, University of Missouri, Columbia (September 2012) [Student invitation](#)
- *Direct versus indirect effects of habitat fragmentation on community patterns in experimental fractal landscapes*
- Department of Entomology, Kansas State University, Manhattan (March 2012)
- *Fragmentation effects on arthropod communities in experimental landscapes*.
- Short course: *Landscape Ecology in Theory and Practice: Application to Land Management*; Northern Arizona University, Flagstaff. Organized by Dr. Kevin McGarigal (University of Massachusetts, Amherst) and Dr. Samuel Cushman (U.S. Forest Service Rocky Mountain Research Station, NAU). Required for certification of U.S. Forest Service employees in the National Advanced Silviculture Program (January 2012)
- *Effects of landscape structure on population dynamics: Implications for conservation and management*
- 2011 –Short course: *Landscape Ecology in Theory and Practice: Application to Land Management*; Northern Arizona University, Flagstaff. Organized by Dr. Kevin McGarigal (University of Massachusetts, Amherst) and Dr. Samuel Cushman (U.S. Forest Service Rocky Mountain Research Station, NAU). Open course for students from any institution or agency (May 2011)
- *Effects of landscape structure on population dynamics: Implications for conservation and management*
- Department of Natural Resource Ecology and Management, Oklahoma State University (April 2011) [Student invitation](#)
- *Are the Flint Hills a regional population source....or sink....for grassland birds? Or, why metalandscape connectivity is so important!*
- Short course: *Landscape Ecology in Theory and Practice: Application to Land Management*; Northern Arizona University, Flagstaff. Organized by Dr. Kevin McGarigal (University of Massachusetts, Amherst) and Dr. Samuel Cushman (U.S. Forest Service Rocky Mountain Research Station, NAU). Required for certification of U.S. Forest Service employees in the National Advanced Silviculture Program (January 2011)
- *Effects of landscape structure on population dynamics: Implications for conservation and management*
- 2010 –Graduate-level course on *Landscapes, Resilience and Sustainability: Conceptual Basis, Methods and Practice*. Series of invited lectures (3) and laboratory exercises (2) related to BIOL 6990–Topics in Modern Biology at the University of Puerto Rico–Rio Piedra. Organized by Dr. Carla Restrepo (April 2010)
- *Landscape connectivity: Concepts, methods and applications*
 - Departmental Seminar: *Landscape function and dysfunctional landscapes: The uncoupling of landscape pattern and ecological process*
 - *Landscape effects on invasive spread*

- Labs: *Introduction to Neutral Landscape Models; Landscape Effects on Disease Spread* (attended by about 20 graduate students)
- 2008 –Department of Ecology and Evolutionary Biology, University of Colorado—Boulder (October 2008)
 - *Regional source-sink dynamics and metandscape connectivity of grassland birds: An unfolding conservation crisis?*
- Department of Biology, Carleton University, Ottawa, Ontario, Canada (May 2008)
 - *Regional source-sink dynamics and metandscape connectivity of grassland birds: An unfolding conservation crisis?*
- Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN (March 2008) *Student invitation*
 - *Is the largest remaining tallgrass landscape really a population stronghold for grassland birds?*
- 2007 –Department of Zoology, University of Oklahoma, Norman (October 2007)
 - *Are the Flint Hills a population source...or sink...for grassland birds?*
- 2006 –Division of Biological Sciences, University of Missouri, Columbia (September 2006) *Student invitation*
 - *Rapidly changing landscapes and slow-changing populations: What's a songbird to do?*
- Department of Biological Sciences, University of Arkansas, Fayetteville (April 2006)
 - *Rapidly changing landscapes and slow-changing populations: What's a songbird to do?*
- 2005 –Department of Fisheries and Wildlife, Michigan State University, East Lansing (September 2005)
 - *Rapidly changing landscapes and slow-changing populations: What's a songbird to do?*
- 2004 –Short course: *Local and Regional Dynamics*, hosted by Swedish University (SLU-Uppsala) and Linköping University, held near Uppsala, Sweden (organized by Dr. Uno Wennergren). Course included participants from seven universities throughout Sweden. Series of invited lectures involving the implications of ecological thresholds in conservation biology, given to students/faculty (March 2004)
 - *Neutral landscape models: The search for critical thresholds in landscape connectivity*
 - *Extinction thresholds in fragmented landscapes*
 - *Evaluating the source-sink potential of landscapes for migratory songbird populations*
 - *Biocontrol thresholds in fragmented landscapes*
- 2002 –Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN (April 2002)
 - *Extinction thresholds in fragmented landscapes: Assessing the source-sink potential of landscape populations*
- Symposium: *Emerging Disciplines in Forest and Ecosystem Science*, College of Forest Resources, University of Washington, Seattle (February 2002)
 - *Thresholds in conservation: When is a little more habitat loss too much?*
- 2001 –Department of Entomology, Kansas State University, Manhattan (April 2001)
 - *Threshold effects of landscape structure on biological control in agroecosystems.*
- General university-wide lecture, University of Wisconsin—Madison (March 2001)
 - *Thresholds in conservation: When is a little more habitat loss too much?*
- 2000 –Appalachian Environmental Laboratory, University of Maryland, Frostburg (October 2000)

- *Extinction thresholds and the analysis of population sources and sinks for Neotropical migrants in fragmented landscapes*
- Department of Biology, St. Louis University, MO (April 2000) [Student invitation](#)
- *How much habitat can be destroyed before landscapes become fragmented and species go extinct?*
- Department of Evolution, Ecology, and Organismic Biology, Ohio State University, Columbus (March 2000)
- *How much habitat can be destroyed before landscapes become fragmented and species go extinct?*
- 1999 –Division of Biology, Kansas State University, Manhattan (December 1999)
- *Population persistence in fragmented landscapes: Linking demographic and neutral landscape models*
- Department of Environmental and Forest Biology, State University of New York, College of Environmental Science and Forestry, Syracuse (November 1999)
- *Population persistence in fragmented landscapes: Linking demographic and neutral landscape models*
- Greater Cleveland Audubon Society, Cleveland Museum of Natural History, OH (November 1999)
- *When do landscapes become fragmented? Assessing landscape sources and sinks for neotropical migratory songbirds*
- 1998 –Department of Biology, University of Toledo, OH (February 1998)
- *Extinction thresholds for species in fragmented landscapes*
- 1997 –Department of Fishery and Wildlife Biology, Colorado State University, Fort Collins (January 1997)
- *Using neutral landscape models to define species' perceptions of landscape structure*
- *Extinction thresholds for species in fragmented landscapes*
- 1996 –Department of Zoology, Arizona State University, Tempe (March 1996)
- *Using neutral landscape models to predict critical thresholds in species' responses to landscape structure*
- 1995 –Department of Zoology, North Carolina State University, Raleigh (March 1995)
- *Critical thresholds in species' responses to habitat fragmentation*
- Department of Biological Sciences, Bowling Green State University, OH (February 1995)
- *Critical thresholds in species' responses to habitat fragmentation: The application of neutral models in conservation biology*
- Department of Biology, Mars Hill College, Mars Hill, NC (January 1995)
- *Factors affecting nest placement in a grassland bird: The relative roles of microclimate and predation*

Invited Presentations: National and International Conferences

Author = presenter; * = member of the LLACE

- 2018 **With, K. A.** *Parsing the independent effects of habitat amount and fragmentation using an experimental model landscape system.* Symposium: Geneticists Have Drosophila, Biomed Researchers Have Lab Rats. Can We Experiment with Landscapes? 2018 Annual Meeting of the

- U.S. Regional Association of the International Association for Landscape Ecology (US-IALE), Chicago, IL
- 2016 **With, K. A.** *From the land to the sea: What can Landscape Ecology do for the study of waterscapes?* Symposium: Fish Research and Conservation in the “Scapes”: Needs, Progress, Challenges, and Opportunities. 146th Annual Meeting of the American Fisheries Society, Kansas City, MO
- 2015 **With, K. A.** *Are landscapes more than the sum of their patches?* John A. Wiens Symposium: Spatial Scaling in Ecology. 9th World Congress of the International Association for Landscape Ecology, Portland, OR
- 2010 **With, K. A.** and A. W. King. *Does order beget order? Self-organization and critical biodiversity in heterogeneous landscapes.* 1st Annual International Forum for Ecosystem Management Applying to Ecosystem Adaptability Science on the "Robustness and Stability of Organisms and Ecosystems," Sendai International Center, Sendai, Japan
- 2009 **With, K. A.** *Ten things every landscape ecologist needs to know: A view from North America.* Symposium on Promoting Landscape Ecology in Latin America and Elseworld: Ten Things Every Landscape Ecologist Needs to Know—Perspectives from around the World. 1st Latin American Congress of the International Association for Landscape Ecology, Campos do Jordão, São Paulo state, Brazil
- 2008 **Garrett, K. A.,** M. L. Margosian, J. M. S. Hutchinson, and **K. A. With.** *Connectivity of the American agricultural landscape: Applying graph theory to assess the national risk of crop pest and disease spread.* Organized oral session: Theoretical Perspectives in Agroecology, Ecological Society of America, Milwaukee, WI
- With, K. A.** *Regional source-sink dynamics and metalandscape connectivity of grassland birds: An unfolding conservation crisis?* Symposium on Sources, Sinks and Sustainability: A Symposium in Honor of H. Ronald Pulliam, US-IALE, Madison, WI
- 2006 **With, K. A.,** A. W. King, and W. E. Jensen*. *A regional assessment of population viability for grassland birds in agricultural grasslands.* Project Directors Meeting, USDA-CREES NRI Managed Ecosystems Program, Joint Meeting of the American Society of Agronomy, Crop Science Society of America and Soil Science Society of America, Indianapolis, IN
- 2004 **With, K. A.** *Dynamic landscape change and extinction risk in migratory songbirds: Is habitat restoration the answer?* First Annual Young Scientists Symposium—Spatial Ecology, Department of Ecology and Evolutionary Biology, University of Michigan, Ann Arbor
- With, K. A.,** **G. R. Schrott***, and A. W. King. *Metalandscape connectivity and regional population viability in migratory songbirds.* Organized oral session: Integrating Approaches to Connectivity: Landscapes, Patches and Networks. Ecological Society of America, Portland, OR
- With, K. A.** *The landscape ecology of invasive spread.* Symposium: Dispersal and Landscape Connectivity: Implications for Conservation. Centre for Conservation Science, University of Stirling, Scotland
- With, K. A.** *Experimental model landscape systems.* Workshop: Experimental models systems in community ecology. National Science Foundation, Arlington, VA
- 2003 **Schrott, G. R.*,** **K. A. With,** and A. W. King. *Assessment of extinction risk for migratory songbirds in dynamic landscapes.* Symposium: Habitat: quality, size and configuration and its role in population viability. 6th World Congress of the International Association for Landscape Ecology, Darwin, Northern Territory, Australia

- 2002 **With, K. A.** *Assessing the risk of invasive spread in fragmented landscapes.* Symposium: Risk analysis for invasive species: Contributions from theoretical ecology. Society for Risk Analysis, New Orleans, LA
- With, K. A.** *Assessing the risk of invasive spread in fragmented landscapes.* Symposium: Methods for assessing the risk of invasive spread: Theoretical ecology as a starting point. Joint meeting of the Ecological Society of America and the Society for Ecological Restoration, Tucson, AZ
- 2001 **With, K. A.**, and A. W. King. *The effect of landscape structure on critical biodiversity.* Symposium: Complexity theory and ecological applications. US-IALE, Arizona State University, Tempe
- 2000 **With, K. A.** *Why is a landscape ecological approach necessary for invasive species biology?* Workshop: Integrating Disciplines to Understand Invasive Species. Ecological Society of America, Snowbird, UT
- With, K. A.**, and A. W. King. *Analysis of landscape sources and sinks: The effects of spatial pattern on avian demography.* Symposium: Spatial Ecology and Conservation. Society for Conservation Biology, University of Montana, Missoula
- 1999 **With, K. A.**, and A. W. King. *The consequences of habitat loss for population persistence: extinction thresholds in fragmented landscapes.* Symposium: Landscape Approaches to Evaluating the Ecological Consequences of Habitat Loss. Spatial Ecology Conference: The Ecological, Evolutionary and Genetic Consequences of Habitat Loss, Helsinki, Finland
- Wiens, J. A.**, and **K. A. With.** *The future of experimental model systems in landscape ecology.* Symposium: Experimental Model Systems in Landscape Ecology. 5th World Congress of the International Association for Landscape Ecology, Snowmass Village, CO
- With, K. A.**, and King, A. W. *Extinction thresholds for species in fractal landscapes: A synthesis of metapopulation and neutral landscape models.* Symposium: The Ecological Consequences of Spatial Pattern: An Integration of Approaches from Spatial and Landscape Ecology. 5th World Congress of the International Association for Landscape Ecology, Snowmass Village, CO
- With, K. A.** *Predicting species' responses to habitat fragmentation: Insights from neutral landscape models.* Symposium: Effects of Habitat Fragmentation on Western Bird Populations, Cooper Ornithological Society, Portland, OR
- 1998 **With, K. A.** *Is landscape connectivity necessary and sufficient for wildlife management?* Forest Fragmentation: Wildlife and Management Implications Conference, Portland, OR
- 1996 **With, K. A.** *What can theoretical ecology do for conservation biology?* Symposium: Interface of Theoretical Ecology and Conservation Biology, joint meeting of the Ecological Society of America and the Society for Conservation Biology, Providence, RI

Contributed Presentations: National and International Conferences

Oral presentations (Author = presenter; * = member of the LLACE)

- 2019 **With, K. A.**, and D. M. Pavuk. *Habitat configuration matters for evaluating habitat-area effects on host-parasitoid interactions.* 10th World Congress, International Association for Landscape Ecology (IALE), Milan, Italy.
- With, K. A.**, and D. M. Pavuk. *Habitat configuration matters for evaluating habitat-area effects on host-parasitoid interactions.* US-International Association for Landscape Ecology/IALE-North America, Fort Collins, Colorado

- 2017 Ramalho, W. P.*, L. Signorelli, V. H. M. Prado, and **K. A. With**. *Environmental filtering and biotic interactions mediate the spatial co-occurrence of pond-breeding anurans at local and landscape scales in the Brazilian Cerrado*. US-IALE/IALE-North America, Fort Collins, Colorado
- With, K. A.**, and D. M. Pavuk. *Parsing the relative effects of habitat amount, fragmentation and habitat edge on parasitism rates in an experimental landscape system*. Ecological Society of America, Portland, OR
- 2015 Cordeiro, E. M. G., J. F. Campbell, T. Phillips, and **K. A. With**. *Behavioral and ecological mechanisms behind pattern formation*. Entomological Society of America, Annual Meeting, Minneapolis, MN
- Signorelli, L.*, K. Kopp, and **K. A. With**. *Do protected wetlands enhance the occurrence and abundance of anurans in the Brazilian Cerrado?* 9th World Congress, International Association for Landscape Ecology, Portland, OR
- 2014 **With, K. A.** *How fast do migratory songbirds have to adapt to keep pace with rapid environmental change?* US-IALE, Anchorage, AK
- Lima (Signorelli), L.*, R. Bastos, P. De Marco Jr., and **K. A. With**. *Factors affecting landscape occupancy in Hylidae tree frogs in the Brazilian Cerrado*. US-IALE, Anchorage, AK
- 2011 **With, K. A.**, and D. M. Pavuk. *Scale-dependent effects of habitat area and fragmentation on community patterns in experimental fractal landscapes*. US-IALE, Portland, OR
- 2010 Skelsey, P.*, K. A. Garrett, and **K. A. With**. *Interaction between pattern, process and scale in plant disease epidemics*. American Phytopathological Society, Charlotte, NC
- 2009 Klug, P. E.*, S. Wisely, and **K. A. With**. *The influence of habitat management and landscape features on gene flow in the yellowbelly racer (*Coluber constrictor flaviventris*) in the tallgrass prairie*. Ecological Society of America, Albuquerque, NM
- 2007 **With, K. A.**, A. W. King, and W. E. Jensen. *Grassland birds are not viable in the largest remaining tallgrass landscape*. American Ornithologists' Union Meeting, University of Wyoming, Laramie
- Margosian, M., J. M. S. Hutchinson, K. A. Garrett, and **K. A. With**. *Connectivity of the American agricultural landscape: a graph approach*. ESRI International Users Conference, San Diego, CA
- Walks, D. J., J. P. Aguilar, W. K. Dodds, K. B. Gido, J. K. Koelliker, and **K. A. With**. *Temporal changes in fish communities of the Central Great Plains, Kansas*. North American Benthological Society, Columbia, SC
- With, K. A.**, A. W. King, and W. E. Jensen*. *Grassland birds are not viable in the largest tallgrass landscape left in North America*. US-IALE, Tucson, AZ
- 2005 Schrott, G.R.*, **K. A. With**, and A. W. King. *Microevolutionary rates of brood parasite host defense behavior can affect extinction risk in dynamic landscapes*. Ecological Society of America, Montreal, Quebec, Canada
- With, K. A.**, G. R. Schrott*, and A. W. King. *The implications of metalandscape connectivity for population viability in migratory songbirds*. US-IALE, Syracuse, NY
- 2004 Schrott, G. R.*, **K. A. With**, and A. W. King. *Recovery of declining populations through habitat restoration can be demographically limited*. Ecological Society of America, Portland, OR
- 2003 Schrott, G. R.*, **K. A. With**, and A. W. King. *Extinction risk assessment for migratory songbirds in dynamic landscapes*. Cooper Ornithological Society, Northern Arizona University, Flagstaff
- 2002 **With, K. A.**, and D. M. Pavuk. *Crossover effects of fragmentation on insect biodiversity in experimental fractal landscapes*. US-IALE, University of Nebraska, Lincoln

- 2001 **With, K. A.**, and A. W. King. *The effect of landscape structure on critical biodiversity*. Society for Conservation Biology, University of Hawaii, Hilo
- 2000 **With, K. A.**, and D. M. Pavuk. *Threshold effects of landscape structure on biological control in agroecosystems*. Ecological Society of America, Snowbird, UT
- With, K. A.**, and D. M. Pavuk. *Threshold effects of landscape structure on biological control in agroecosystems*. US-IALE, Ft. Lauderdale, FL
- 1998 **King, A. W.**, and **K. A. With**. *Dispersal success in spatially structured landscapes*. Joint meeting of the International Society for Ecological Modelling and the Ecological Society of America, Baltimore, MD
- 1997 **With, K. A.**, and A. W. King. *Uncritical thresholds in dispersal success on fractal landscapes*. US-IALE, Duke University, Durham, NC
- 1996 **With, K. A.**, and A. W. King. *Integrating metapopulation models with neutral landscape models to predict species' responses to habitat fragmentation*. Joint meeting of the Ecological Society of America and the Society for Conservation Biology, Providence, RI
- With, K. A.**, and A. W. King. *Toward the development of a generalized spatially explicit theory of species' responses to landscape structure*. US-IALE, Galveston, TX
- 1994 **With, K. A.** *The hazards of nesting near shrubs for a grassland bird*. First Joint Meeting of the American Ornithologists' Union, Cooper Ornithological Society, and Wilson Ornithological Society. University of Montana, Missoula
- With, K. A.**, and T. O. Crist. *Critical thresholds in landscape structure: Implications for the spatial structure of populations*. US-IALE, University of Arizona, Tucson
- 1986 **With, K. A.** *Interseasonal and intersexual resource partitioning in Hairy and White-headed woodpeckers*. Cooper Ornithological Society, University of California, Davis
- 1985 **Morrison, M. L.**, I. C. Timossi, **K. A. With**, and P. N. Manley. *Use of tree species by forest birds during winter and summer*. Joint meeting of the Wilson and Cooper Ornithological Societies, University of Colorado, Boulder

Poster presentations (Author = presenter; * = member of the LLACE)

- 2020 **With, K. A.**, and A. R. Payne. *An experimental test of the Habitat Amount Hypothesis*. 105th annual meeting of the Ecological Society of America (virtual conference).
- 2012 **Nechols, J. R.**, D. C. Margolies, J. F. Campbell, and **K. A. With**. *Genetic modification of predator foraging traits enhances biological control of two-spotted spider mites within experimental plantscapes*. 60th Annual Meeting of the Entomological Society of America, Knoxville, TN
- 2011 **Skelsey, P.***, **K. A. With**, and K. A. Garrett. *The intermediate scale hypothesis*. Joint meeting of the American Phytopathology Society and International Association of Plant Protection Services, Honolulu, HI
- 2009 **Throop, E.***, and **K. A. With**. *Local vs. landscape-scale factors affecting habitat occupancy of Eastern Collared Lizards (*Crotaphytus collaris*) in tallgrass prairie*. Ecological Society of America, Albuquerque, NM
- 2008 **Long, A. M.**, W. E. Jensen*, and **K. A. With**. *Nest orientation in two dome-nesting grassland bird species*. Joint Meeting of the American Ornithologists' Union, Cooper Ornithological Society, and Society of Canadian Ornithologists, Portland, OR

- Klug, P. E.*, and **K. A. With**. *Interactions between grassland birds and their snake predators: The potential for conservation benefits or conflicts in the tallgrass prairie*. U.S.-International Association for Landscape Ecology (US-IALE), Madison, WI
- 2007 Wisely, S. M., S. Naranayan, **K. A. With**, and S. J. Brown. *Evolutionary consequences of heavy metal contamination to deer mice and their intestinal microbial communities*. Evolutionary Change in Human-Altered Environments: An International Summit. Institute of the Environment, University of California—Los Angeles
- 2006 **With, K.A.**, W.E. Jensen*, and A. W. King. *A regional assessment of population viability in grassland birds in a managed grassland: The Flint Hills of Kansas and Oklahoma*. US-IALE, San Diego, CA
- 1999 Talbott, S. C.*, and **K. A. With**. *Metapopulation theory in conservation research: Are the assumptions being tested?* Society for Conservation Biology, Baltimore, MD
- 1998 **With, K. A.**, and A. W. King. *Extinction thresholds for species in fractal landscapes*. Joint meeting of the International Society for Ecological Modelling and the Ecological Society of America, Baltimore, MD
- With, K. A.**, and A. W. King. *Extinction thresholds for species in fractal landscapes*. Society for Conservation Biology, Macquarie University, Sydney, New South Wales, Australia
- With, K. A.**, and A. W. King. *Dispersal success in fractal landscapes: A consequence of lacunarity thresholds*. US-IALE, Kellogg Center, Michigan State University, East Lansing
- 1997 **With, K. A.**, and A. W. King. *Dispersal success in fractal landscapes: A consequence of lacunarity thresholds*. Ecological Society of America, Albuquerque, NM
- Cadaret, S. J.*, **K. A. With**, and C. Davis. *Fractal movements in fractal landscapes: The effects of fragmentation on animal movement*. US-IALE, Duke University, Durham, NC
- 1995 **With, K. A.**, R. H. Gardner, and M. G. Turner. *Population distributions in heterogeneous environments: The interaction between landscape structure and species' characteristics*. Ecological Society of America, Snowbird, UT
- With, K. A.**, R. H. Gardner, and M. G. Turner. *Population distributions in heterogeneous environments: The interaction between landscape structure and species' characteristics*. US-IALE, Minneapolis, MN
- 1993 **With, K. A.** and T. O. Crist. *Development of spatially explicit models of population dynamics: The translation of individual movement patterns to broader scales*. Ecological Society of America, University of Wisconsin, Madison
- 1992 **With, K. A.** *Nesting on the ground: Microclimate of nest sites for three grassland bird species*. American Ornithologists' Union, Iowa State University, Ames

Contributed Presentations: Regional Meetings

Oral presentations (Author = presenter; * = member of the LLACE)

- 2015 Cordeiro, E. M. G., J. F. Campbell, T. Phillips, and **K. A. With**. *Rhyzopertha dominica movement and spatial pattern formation in wheat*. North Central Branch Meeting of the Entomological Society of America, Manhattan, KS
- 2009 Throop, E.*, and **K. A. With**. *How does grazing and burning influence habitat occupancy of eastern collared Lizards (Crotaphytus collaris) in tallgrass prairie?* Kansas Herpetological Society, MidAmerica Nazarene University, Olathe, KS

- 2008 Klug, P. E.* and **K. A. With**. *Interactions between nesting birds and their snake predators: The influence of shrubby encroachment in the tallgrass prairie*. Kansas Natural Resources Conference, Wichita, KS
- Klug, P. E.* and **K. A. With**. *The spatial ecology of two predatory snakes in the tallgrass prairie and the impact on avian nesting*. Kansas Herpetological Society, Wichita, KS
- Throop, E. C.* and **K. A. With**. *Habitat occupancy of collared lizards in the Flint Hills*. Kansas Herpetological Society, Wichita, KS
- 2007 Rahmig (Jung), C.*, W. E. Jensen*, and **K. A. With**. *Grassland bird responses to modern agricultural disturbances in tallgrass prairie*. Kansas Chapter of the Wildlife Society, Pittsburgh State University, KS
- 2005 Jung, C.R.I.*, W. E. Jensen*, and **K. A. With**. *Effects of grassland management on breeding grassland birds in the Flint Hills*. Changing Natural Landscapes: Ecological and Human Dimensions, Joint Meeting of the Natural Areas Association and Center for Great Plains Studies, Lincoln, NE

Poster presentations (Author = presenter; * = member of the LLACE)

- 2009 Throop, E.*, and **K. A. With**. *How does grazing and burning influence habitat occupancy of eastern collared lizards (*Crotaphytus collaris*) in tallgrass prairie?* Midwest Ecology and Evolution Conference, Lincoln, NE
- 2008 Romero, S. A., J. F. Campbell, J. R. Nechols, and **K. A. With**. *Behavioral responses of *Tribolium castaneum* (Coleoptera: Tenebrionidae) to patch boundaries: Role of perceptual range and permeability*. North Central Branch of the Entomological Society of America, Columbus, OH

INVITED WORKSHOPS

- 2004 –*Experimental Model Systems in Community Ecology*. National Science Foundation, Arlington, VA (Coordinators: Dr. Peter J. Morin, Rutgers University and Dr. Michael Bowers, NSF)
- 2001 –*Risk Analysis for Invasive Species: Perspectives from Theoretical Ecology*. Society for Risk Analysis and the Theoretical Ecology Section of the Ecological Society of America, New Mexico State University, Las Cruces (Coordinator: Dr. Mark Anderson, Department of Fishery and Wildlife Sciences, NMSU)
- 1999 –*Collaboratory on the Population Biology of Invasive Species*. National Science Foundation, Arlington, VA (Coordinators: Dr. Ann Sakai and Dr. Steve Weller, Department of Ecology and Evolutionary Biology, University of California, Irvine)
- 1997 –*GCTE-LUCC Dispersal Modeling Workshop*, Obermann Center for Advanced Studies, University of Iowa, Iowa City (Task Leader: Dr. George Malanson, Department of Geography and Center for Global and Regional Environmental Research, University of Iowa)

SYMPOSIA ORGANIZED

- 2009 –*Promoting Landscape Ecology in Latin America and Elseworld: Ten Things Every Landscape Ecologist Needs to Know—Perspectives from Around the World*. 1st Latin American Congress of the International Association for Landscape Ecology, Campos do Jordão, São Paulo state, Brazil (4-7 October 2009)

- 1999 –*Landscape Approaches to Evaluating the Ecological Consequences of Habitat Loss*. Spatial Ecology Conference on Habitat Loss: Ecological, Evolutionary and Genetic Consequences. Helsinki, Finland (7-12 September 1999)
- The Ecological Consequences of Spatial Pattern: An Integration of Approaches from Spatial and Landscape Ecology*; 5th World Congress of the International Association of Landscape Ecology, Snowmass Village, CO (29 July-3 August 1999)

EDITORSHIPS

- 2016- Editorial Board, *Current Landscape Ecology Reports*
- 2007-2018 Editorial Board, *Ecosystems*
- 2006-2009 Editor for The Americas (Zoological Subject Matter), *Biological Conservation*
- 1998-2005 Editorial Board, *Landscape Ecology*
- 1988-1992 Associate Editor, *Proceedings of the Western Foundation of Vertebrate Zoology*, Camarillo, CA
Proceedings published as Acting Editor:
- Marin A. M., and F. G. Stiles. 1992. On the biology of five species of swifts (Apodidae, Cypseloidinae) in Costa Rica. *Proceedings of the Western Foundation of Vertebrate Zoology* 4(5): 286-351.
 - Scott, T. A., and M. L. Morrison. 1990. Natural history and management of the San Clemente Loggerhead Shrike. *Proceedings of the Western Foundation of Vertebrate Zoology* 4(2): 23-57.

PEER REVIEW

Journals (total = 65 journals)

Acta Biotheoretica, Acta Oecologia, Ambio, American Naturalist, Animal Behaviour, Auk, Avian Conservation and Ecology, Biodiversity and Conservation, Biological Conservation, BioScience, Canadian Journal of Zoology, Climatic Change, Comptes Rendus de l'Académie des Sciences, Condor, Conservation Biology, Conservation Ecology, Current Landscape Ecology Reports, Diversity and Distributions, Ecography, Ecology, Ecological Applications, Ecological Entomology, Ecology Letters, Ecological Complexity, Ecological Modelling, Ecological Monographs, Écoscience, Ecosphere, Ecosystems, Functional Ecology, Geoderma, Geographical Analysis, Geography Compass, International Journal of Artificial Life Research, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Biogeography, Journal of Ecology, Journal of Environmental Management, Journal of Field Ornithology, Journal of Great Lakes Research, Journal of Mammalogy, Journal of Phycology, Journal of Theoretical Biology, Journal of Tropical Ecology, Landscape Ecology, Landscape and Urban Planning, Methods in Ecology and Evolution, Molecular Ecology, Oecologia, Oikos, Ornis Fennica, Philosophical Transactions of the Royal Society B: Biological Sciences, Proceedings of the National Academy of Sciences (USA), Proceedings of the Royal Society B, Public Library of Science (PloS) ONE, Rangeland Ecology and Management, Remote Sensing of Environment, Scandinavian Journal of Forest Research, Scientific Reports, Southwestern Naturalist, Studies in Avian Biology, Urban Ecosystems, Weed Research, Wilson Bulletin

Funding Agencies

Biodiversity Grants Program (Alberta, Canada)
Israel Science Foundation

National Sciences and Engineering Research Council of Canada (NSERC)

- Discovery Grants Program—Evolution & Ecology

National Science Foundation (NSF)

- Animal Behavior/Behavior
- CAREER
- Ecological Studies
- Evolutionary Ecology
- Geology and Paleontology/Sedimentary Geology and Paleobiology
- Population Biology

USDA-CSREES National Research Initiative Competitive Grant Program (USDA-CSREES NRI)

- Biology of Weedy & Invasive Plants
- Entomology/Nematology

Publishers

Sinauer Associates

W. C. Brown Publishers

SCIENTIFIC REVIEW

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| 2005 | Status Report on McCown's Longspur, Committee on the Status of Endangered Wildlife in Canada |
| 1998 | COVERS Ranking Record for McCown's Longspur, Ranking Conservation Priorities of Vertebrates in Colorado, Colorado Division of Wildlife |

SCIENTIFIC FUNDING REVIEW PANELS

- | | |
|------|--|
| 1999 | National Science Foundation, Population Biology, Division of Environmental Biology |
| 1998 | National Science Foundation, Postdoctoral Research Fellowships in Biosciences related to the Environment |
| 1995 | National Science Foundation, Cross-site Comparisons and Synthesis at LTER and Non-LTER Sites and LTER Internationalization |

OTHER PROFESSIONAL ACTIVITIES

- | | |
|------|---|
| 2019 | –Tenure and Promotion evaluation (Associate Professor): School of Environment and Natural Resources, The Ohio State University, Columbus, OH
–Student Award Judge, Lunch with a Mentor Program; Annual meeting of the U.S.-International Association for Landscape Ecology (US-IALE), Fort Collins, CO |
| 2018 | –Student Award Judge; US-IALE, Chicago, IL |
| 2017 | –Expert Assessor, Appointments Board (Faculty Search Committee), Associate Senior Lecturer (equivalent of tenure-track Assistant Professor) in Landscape Ecology, Department of Ecology, Swedish University of Agricultural Sciences, Uppsala, Sweden |
| 2016 | –Lunch with a Mentor Program; Student Award Judge; US-IALE meeting, Asheville, NC |
| 2015 | –Tenure and Promotion evaluation (Associate Professor): Department of Ecosystem Science & Management, University of Wyoming, Laramie, WY |

- 2014 –Tenure and Promotion evaluation (Associate Professor): Department of Ecology and Evolutionary Biology, University of Colorado, Boulder, CO
 –Promotion evaluation (Full Professor): Department of Zoology, University of Oklahoma, Norman, OK
- 2013 –Tenure and Promotion evaluation (Associate Professor): Department of Zoology, University of Wisconsin, Madison, WI
- 2011 –Session Chair: *Fragmentation*, US-IALE meeting, Portland, OR
- 2009 –Promotion evaluation (Full Professor): Department of Natural Resources Conservation, University of Massachusetts, Amherst, MA
 –Tenure and Promotion evaluation (Associate Professor): Department of Ecology and Evolutionary Biology, University of Connecticut, Mansfield, CT
 –Tenure and Promotion evaluation (Associate Professor): Department of Zoology, University of Oklahoma, Norman, OK
- 2008 –Invited Landscape Ecologist Mentor, NASA-MSU Student Award Dinner; –Invited Mentor, Lunch with a Mentor Program US-IALE meeting, Madison, WI
- 2007 –Invited Landscape Ecologist Mentor, NASA-MSU Student Award Dinner; –Student Award Judge; US-IALE, Tucson, AZ
- 2006 –Invited Landscape Ecologist Mentor, NASA-MSU Student Award Dinner; –Student Award Judge; Session Chair: *Connectivity*; US-IALE, San Diego, CA
- 2005 –Invited Landscape Ecologist Mentor, NASA-MSU Student Award Dinner; –Student Award Judge, US-IALE, SUNY-Syracuse, NY
- 2003 –Promotion evaluation (Associate Professor): School of Natural Resources, University of Vermont, Burlington, VT
- 2002 –Tenure and Promotion evaluation (Associate Professor); Department of Environmental, Population and Organismic Biology, University of Colorado, Boulder, CO
 –Landscape Ecologist Mentor, NASA-MSU Student Award Dinner; –Invited Mentor, Breakfast with a Mentor Program; –Student Award Judge; –Session Chair, *Arthropods I*; US-IALE, University of Nebraska, Lincoln, NE
- 2001 –Invited Mentor, Lunch with a Mentor Program, US-IALE, Arizona State University, Tempe
- 2000 –Invited Mentor, Lunch with a Mentor Program, US-IALE, Ft. Lauderdale, FL
- 1999 –Invited Landscape Ecologist Mentor, NASA-MSU Student Award dinner, Fifth World Congress of the International Association of Landscape Ecology, Snowmass Village, CO
- 1998 –Student Award Judge, US-IALE, Kellogg Center, Michigan State University, East Lansing
- 1997 –Session Chair, *Population and Community Responses: Theory*; –Student Award Judge US-IALE, Duke University, Durham, NC
- 1996 –Symposium Chair, *The Interface of Theoretical Ecology and Conservation Biology*, Joint meeting of the Ecological Society of America and the Society for Conservation Biology, Providence, RI;
 –Session Chair, *Modelling Landscape Processes*; Student Award Judge, US-IALE, Galveston, TX
- 1995 –Session Chair, *Landscape-Scale Processes and Resulting Patterns*, Ecological Society of America, Snowbird, UT

TEACHING EXPERIENCE

*Denotes courses and seminars I developed at these institutions

KANSAS STATE UNIVERSITY (2000-PRESENT)

Course No.	Course Title	Credit hours	Semester Taught
BIOL 198	Principles of Biology	4	Spring (2002, 2004) Fall (2005-present) <i>even years</i>
BIOL 201	Organismic Biology (Zoology section)	5	Fall 2002
BIOL 433	Wildlife Conservation	3	Spring 2001
BIOL 642	Principles of Conservation Biology*	3	Spring (2002-present)
BIOL 822	Landscape Ecology*	4	Fall (2001-present) <i>odd years</i>
BIOL 890	Seminar: <i>Invasion Ecology</i> *	1	Fall 2007
BIOL 890	Seminar: <i>Ecology of Fragmented Landscapes</i> *	1	Spring 2009

BOWLING GREEN STATE UNIVERSITY (1995-2000)

Course No.	Course Title	Credit hours	Semester Taught
BIOL 409/540	Conservation Biology*	3	Spring 1996 Fall (1996-1999)
BIOL 400/580	Landscape Ecology*	3	Spring (1998, 2000)
BIOL 477/565	Ornithology	3	Spring (1997, 1999)
BIOL 780	Group Readings in Ecology, Evolution and Behavior (GREBE)*	1	Fall (1995, 1996) Spring 1996
BIOL 780	Advanced Readings in Conservation Biology*	1	Spring 1996 Fall (1996-1999)
BIOL 780	Seminar: <i>Macroecology</i> *	1	Spring 1997
BIOL 780	Seminar: <i>Toward a Unified Ecology</i> *	1	Spring 1998
BIOL 780	Seminar: <i>Societal Dependence on Natural Ecosystems</i> *	1	Spring 1999

KANSAS STATE UNIVERSITY (2000-PRESENT)

Postdoctoral Research Associates

- 2001-2004 **Dr. Gregory R. Schrott** (Ph.D., University of California–Los Angeles)
Project: *Assessment of extinction risk in dynamic landscapes* (EPA STAR Wildlife Risk Assessment)
Last known position: Research Scientist, Archbold Biological Station, FL
- 2003-2005 **Dr. William E. Jensen** (Ph.D., Kansas State University)
Project: *A regional assessment of population viability for grassland birds in agroecosystems* (USDA-CREES NRI Managed Ecosystems Program)
Current position: Associate Professor, Emporia State University, KS
- 2009-2012 **Dr. Peter Skelsey** (Ph.D., Wageningen University and Research Center, The Netherlands) [co-advised with Dr. Karen Garrett, KSU Department of Plant Pathology]
Project: *Epidemic waves, landscape heterogeneity, and spatial scale* (NSF Ecology of Infectious Disease)
Current position: Epidemiological Modeler, The James Hutton Institute, Invergowrie, Dundee, Scotland, UK
- 2014-2016 **Dr. Luciana Signorelli** (Ph.D., Federal University of Goiás, Goiânia, Brazil)
Project: *Landscape effects on the occurrence of pond-breeding anurans across a disturbance gradient in the Brazilian Cerrado* (CAPES and CNPq “Science without Borders” program)
Current position: Postdoctoral Fellow, Federal University of Goiás, Goiânia, Brazil

Doctor of Philosophy

- 2005-2009 **Page E. Klug**. Dissertation: *Interactions between grassland birds and their snake predators: the potential for conservation conflicts in the tallgrass prairie*
–Sigma-Xi Grant-in-Aid of Research (\$800, 2006)
–Frances M. Peacock Scholarship for Native Bird Habitat, Garden Club of America (\$4000, 2006)
–Sea World and Busch Gardens Conservation Fund Grant Awards (\$7280, 2006)
–NASA-MSU Professional Enhancement Award (\$500, 2008)
–Alan H. Kamb Grant for Research on Kansas Snakes, Kansas Herpetological Society (\$150 in 2007; \$300 in 2008)
–Award for Best PhD Student Presentation, Kansas Ornithological Society (2007)
–Chris Edler Award for Outstanding Research on Konza Prairie Biological Station, Kansas State University (2008)
Current position: Research Wildlife Biologist, USDA-APHIS National Wildlife Research Center, North Dakota Field Station
Past positions: Research Ecologist, USGS Invasive Species Program, Fort Collins, CO (2012-2015); Assistant Director, University of Notre Dame Environmental Research Center (2010-2012)

Master of Science

- 2003-2006 **Corina R. I. (Jung) Rahmig**. Thesis: *Variation in the suitability of grassland management regimes for nesting grassland birds in the Flint Hills*

–James Ackert Scientific Award for Outstanding Research, given to a graduate student <2 years in the Division, based on presentation given at the Biology Graduate Research Forum, Kansas State University (2005)

Last known position: Biology Instructor, Presentation High School, San Jose, CA

2003-2006 **Christopher M. Frey.** Thesis: *Topographic variation in habitat quality and settlement patterns of grassland passerines in the Flint Hills*

Last known position: Ph.D. Program, Department of Natural Resources and Environmental Sciences, University of Nevada–Reno

2007-2010 **Emilie C. (Throop) Blevins.** Thesis: *Landscape context influences patterns of occupancy, abundance, and gene flow among collared lizards in the Flint Hills of Kansas*

–Dean E. Metter Memorial Award, Society for the Study of Amphibians and Reptiles (\$500, 2008)

–George Toland Award for Best Student Paper, Kansas Herpetological Society (\$200, 2009)

Current position: Endangered Species Conservation Biologist—Freshwater Mussel Lead, The Xerces Society, Portland, OR

Past position: Science and Planning Assistant, The Nature Conservancy, Portland, OR (2010-2014)

Service on Graduate Committees (by year completed)

2002 Boris Sanjur (M.S. Biology)

2003 Jonathan Conard (M.S. Biology)

2004 Nicole Gerlanc (Ph.D. Biology)

2005 Matthew Grieshop (Ph.D. Entomology); Tammi Johnson (M.S. Biology)

2007 Jacqueline Nooker (Ph.D. Biology); Susan Romero (Ph.D. Entomology)

2009 Jonathan Conard (Ph.D. Biology); Sarah Bowe (M.S. Biology)

2011 Anthony Gregory (Ph.D. Biology); Derek Moon (M.S. Biology)

2012 Amanda Goldberg (M.S. Biology)

2013 Kevin Cunningham (Masters of Landscape Architecture, MLA)

2014 Alaina Thomas (M.S. Biology)

2015 Dale Bradley (MLA); Kabita Ghimire (Ph.D. Geography)

2016 Robert Mapes (M.S. Biology)

2017 Amy Erickson (M.S. Biology); Mark Herse (M.S. Biology)

2020 Logan Baker (MLA); Caleb Parker (MLA)

Outside Chair of Graduate Committee (appointed by the Dean of the Graduate School)

2007 Dana Townsend (Ph.D., Anatomy and Physiology)

2011 Rhett Mohler (Ph.D., Geography)

2017 Steven Ramsey (Ph.D., Agricultural Economics)

External Examiner/Outside Member of Graduate Committee (invited)

2005 Daniel M. Scheiman; Ph.D., Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN

2008 Rebecca Tittler; Ph.D., Department of Biology, Carleton University, Ottawa, Ontario, Canada

2013 Lorenzo Cattarrino; Ph.D., School of Geography, Planning and Environmental Management, The University of Queensland, Brisbane, Australia

Undergraduate Mentoring

Summer 2006 Emilie Throop, Berea College, KY (Konza NSF-REU Program); Accepted to KSU Graduate Program, M.S. Biology (2007-2010)

Summer 2007 Sara Jackrel, The College of New Jersey (Konza NSF-REU Program); Accepted to the Ecology and Evolution Graduate Program at the University of Chicago, IL (M.S. 2010-2012; Ph.D. program initiated 2012); Recipient of an NSF Graduate Fellowship

Spring 2008 Nicole Kirkton, Kansas State University (Independent study)

Summer 2008 Jennifer Fill, University of Massachusetts–Amherst (Konza NSF-REU Program); Accepted to the Graduate Program at the University of South Carolina–Columbia (Ph.D. initiated 2010); Recipient of an NSF Graduate Fellowship

Fall 2008 Laura Mendenhall, Kansas State University (Independent study); Accepted to the Nicholas School of the Environment Graduate Program, M.S., Duke University (2010-2012)

High-School Student Mentoring

2019-2020 Alison Payne, Manhattan High School, Kansas (University-Level Research Mentorship Program)

BOWLING GREEN STATE UNIVERSITY (1995-2000)

Plan I Masters of Science

1996-1999 **Sean J. Cadaret**. Thesis: *The effect of landscape context on avian-nest predation in an agroecosystem*.
–E. Alexander Bergstrom Memorial Award, Association of Field Ornithologists (\$250)
–Louis W. Campbell Graduate Student Research Award, Maumee Valley Audubon Society (\$250)
Last known position: Corporate engineer, NAMSA (clinical research organization), Toledo, OH

1999-2001 **Rhonda K. Oates**. Thesis: *Fragmentation effects on carabid diversity in an agroecosystem* [co-advised with Dr. Daniel M. Pavuk]
–Explorer’s Club (\$1500)
Last known position: Center for Cancer Drug Discovery & Development, Cleveland Clinic, OH

Plan II Masters of Science (non-thesis option)

1996-1998 **Richard N. Kappel III**
–Sigma Xi Grant-in-Aid of Research (\$1000)
Last known position: Instructor, Integrated Science and Biology, Kettering Fairmont High School, Kettering, OH

1998-2000 **Heather Beechler**
Last known position: Editor, Science Books and Films, Education and Human Resources, American Association for the Advancement of Science, Washington DC

Service on Graduate Committees (by year completed)

1997 Carrie Cartwright (M.S., Biology); Rebecca Johns (Plan II M.S., Biology)

1998 Jennifer Anthony (Ph.D., Psychology); Robert Hood (Ph.D., Philosophy)

Senior Honors Thesis (supervised as undergraduate advisor)

1997 **Susan C. Talbott.** Thesis: *The use and misuse of metapopulation theory in conservation biology.*
Last known position: Assistant Regional Refuge Biologist, USFWS, Prime Hook National Wildlife Refuge, DE
Past position: M.S., Department of Wildlife and Fisheries Science, School of Forest Resources, Pennsylvania State University (1997-1999)

DEPARTMENTAL/UNIVERSITY SERVICE

KANSAS STATE UNIVERSITY

Departmental Committees

2001 Search Committee (External Member)–Spatial Statistics Position, Department of Geography
2001-2002 Konza Prairie Biological Station Advisory Committee
2003 Search Committee–Assistant Unit Leader-Fisheries, Kansas Cooperative Fish and Wildlife
2002-2004 Biology Faculty Selection Committee, Student Scholarship Awards, Student Chapter of the
Wildlife Society Research Unit and the Division of Biology
2002-2008 Biology Research and Instruction Enhancement Fund (BRIEF) Committee

University-Wide Committees

2005-2010 Faculty Advisory Committee, Women in Science and Engineering Program
2007-2010 Admissions Committee, KSU Chapter of Sigma Xi
2019 Review Panel, Faculty Development Awards, Office of Research Development

BOWLING GREEN STATE UNIVERSITY

Departmental Committees

1996-1997 Library Committee
1997-1998 Seminar Committee
1998-1999 Executive Committee; Curriculum Committee; Search Committee–Conservation Geneticist
Position
1999-2000 Curriculum Committee

University-Wide Committees

1996-1999 Advisory Committee, Center for Environmental Programs