

JENNIFER ALISON SMITH

CURRICULUM VITAE

Caesar Kleberg Wildlife Research Institute and Texas A&M – Kingsville, TX, USA

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EDUCATION

Doctor of Philosophy, 2011, University of Birmingham, UK

Thesis: The effects of supplementary feeding on the reproductive behaviour of woodland birds

Advisors: Dr S.J. Reynolds & Prof. G.R. Martin

Bachelor of Science, 2005, Zoology (1st Class Honors), Cardiff University, Wales, UK

PROFESSIONAL APPOINTMENTS

Sep 2024 – present: Assistant Professor, Caesar Kleberg Wildlife Research Institute and Texas A&M-Kingsville, Kingsville, TX, USA

Aug 2018–Aug 2024: Assistant Professor, Department of Integrative Biology, The University of Texas at San Antonio, TX, USA

April 2015–Aug 2018: Research Scientist (multiple labs)

- Range size assessments and scale-dependent patterns of climate change sensitivity for freshwater fishes of the United States, Department of Fish and Wildlife Conservation, Virginia Tech, VA, USA. Advisor: Dr. M.C. Mims
- Habitat selection and population viability of Red-cockaded Woodpeckers (*Picoides borealis*), Department of Biological Sciences, Virginia Tech, VA, USA. Advisor: Prof. J.R. Walters
- Ecology of imperiled herpetofauna on Eglin Air Force Base, FL, USA, Department of Fish and Wildlife Conservation, Virginia Tech, VA, USA. Advisor: Prof. C.A. Haas

Aug 2012–April 2015: Postdoctoral Research Associate

- Landscape-level responses of Greater Prairie-Chickens (*Tympanuchus cupido*) to wind energy development, School of Natural Resources, University of Nebraska-Lincoln, NE, USA. Advisors: Prof. L.A. Powell & Prof. M. Bomberger Brown

Dec 2010–Aug 2012: Postdoctoral Research Associate

- The effects of land conversion on Crested Caracaras (*Caracara cheriway*) in south-central Florida, Department of Fish & Wildlife Conservation, Virginia Tech, VA, USA. Advisors: Prof. J.D. Fraser & Prof. J.L. Morrison

PUBLICATIONS

* authorship with graduate student; ** authorship with undergraduate student or technician

Articles in Peer Reviewed Journals

31. Lamberson, A*, & **Smith, J.A.** 2024. Supplementary feeding of birds during the winter influences measures of avian community structure in yards in a subtropical city. *PLoS ONE*
30. McCloy, M*, Andringa, K*, Maness, T., **Smith, J.A.** & Grace, J. 2024. Promoting urban ecological resilience through the lens of avian biodiversity. *Frontiers in Ecology and Evolution*
29. **Smith, J.A.**, & Dwyer, J.F. 2024. Range Shifts and Expansions of Crested Caracaras over a 30-year period in Arizona, Texas, and Florida, USA. *Journal of Raptor Research*
28. Silknetter, S.C*, Benson, A.L., **Smith, J.A.** & Mims, M.C. 2024. Scale-dependent patterns of climate change sensitivity for freshwater fishes of the United States. *Ecosphere*
27. Gomez, E.A*, Prestridge, H. & **Smith, J.A.** 2023. Anthropogenic threats to owls: Insights from rehabilitation data and rodenticide screening. *PLoS ONE* 18:e0289228
26. Gomez, E.A*, Hindmarch, S. & **Smith, J.A.** 2022. A response to Viani. *Journal of Raptor Research*. 56: 372.
25. King-Kostelac, A., Gomez, E.A*, Finucane, M.M*, Gorton, S. *, Killian, J.L*, Walker, K., Bush,

- J.K. & **Smith, J.A.** 2022. Sci/Comm Scholars: A facilitated peer-to-peer working group for integrating rhetorical and social scientific approaches for inclusive science communication. *Frontiers in Environmental Science* 9:787557
24. Gomez, E.A*., Hindmarch, S. & **Smith, J.A.** 2022. Conservation Letter: Raptors and anticoagulant rodenticides. *Journal of Raptor Research* 56:147-153
 23. Chandler, H.C*., Goodman, S.J**., **Smith, J.A.**, Gorman, T.A. & Haas, C.A. 2020. Understanding occupancy patterns in a low-density gopher tortoise (*Gopherus polyphemus*) population. *Herpetological Conservation and Biology* 15:536-546.
 22. **Smith, J.A.**, Benson, A., Chen, Y**., Yamada, S** & Mims, M.C. 2020. The power, potential, and pitfalls of opportunistic data in range size assessments: lessons from the fishes. *Ecological Indicators* 110:105896
 21. Raynor, E., Harrison, J.O*., Whalen, C*., **Smith, J.A.**, Schacht, W.H., Tyre, A., Benson, J., Brown, M.N. & Powell, L.A. 2019. Anthropogenic noise does not surpass land cover in explaining habitat selection of Greater Prairie-Chicken (*Tympanuchus cupido*). *The Condor: Ornithological Applications* 121:duz044
 20. Petters, J.L., Brooks, G.C*., **Smith, J.A.** & Haas, C.A. 2019. The Impact of Targeted Data Management Training for Field Research Projects - A Case Study. *Data Science Journal* 18:43.
 19. Brooks, G.C*., **Smith, J.A.**, Frimpong, E., Gorman, T.A., Chandler, H** & Haas, C.A. 2019. Indirect connectivity estimates of amphibian breeding wetlands from spatially explicit occupancy models. *Aquatic Conservation: Marine and Freshwater Ecosystems* 29:1815-1825.
 18. Brooks, G*., **Smith, J.A.**, Gorman, T.A. & Haas, C.A. 2019. Discerning the environmental drivers of annual migrations in an endangered amphibian. *Copeia* 107:270–276.
 17. Goodman, S.J**., **Smith, J.A.**, Gorman, T.A. & Haas, C.A. 2018. Longevity of gopher tortoise burrows on sandy soils. *Southeastern Naturalist*
 16. **Smith, J.A.**, Brust, K., Skelton, J. & Walters, J.R. 2018. How effective in the Safe Harbor program for the conservation of Red-cockaded Woodpeckers. *The Condor: Ornithological Applications* 120:223–233.
 15. Harrison, O*., Brown, M., Powell, L.A. & **Smith, J.A.** 2017. Nest site selection and nest survival of Greater Prairie-Chickens near a wind energy facility. *The Condor: Ornithological Applications* 119:659–672
 14. **Smith, J.A.**, Brown, M., Harrison, J.O* & Powell, L.A. 2017. Predation risk as a mechanism for indirect effects of a wind energy facility on survival of female Greater Prairie-Chickens (*Tympanuchus cupido pinnatus*). *Ecosphere* 8:e01835
 13. Powell, L.A., Brown, M., **Smith, J.A.** Harrison, J.O* & Whalen, C.E*. 2017. Modeling the spatial effects of disturbance: A constructive critique to provide evidence of ecological thresholds. *Wildlife Biology* wlb.00245
 12. **Smith, J.A.**, Dwyer, J.F., Fraser, J.D. & Morrison, J.L. 2017. A habitat model to aid the conservation of Crested Caracaras. *Journal of Wildlife Management* 81:712–719
 11. Reynolds, S.J., Galbraith, J.A., **Smith, J.A.** & Jones, D.N. 2017. Garden bird feeding: Insights and prospects from a north-south comparison of this global urban phenomenon. *Frontiers in Ecology and Evolution* 5:24
 10. **Smith, J.A.**, Whalen, C.E*., Brown, M. & Powell, L.A. 2016. Indirect effects of an existing wind energy facility on lekking behavior of Greater Prairie-Chickens. *Ethology* 122:419–429
 9. **Smith, J.A.**, & Dwyer, J.F. 2016. Avian interactions with renewable energy infrastructure: An update. *The Condor: Ornithological Applications* 118:411–423
 8. Winder, V.L., Carrlson, K.M., Gregory, A.J., Hagen, C.A., Haukos, D.A., Kesler, D.C., Larsson, L.C., Matthews, T.W., McNew, L.B., Patten, M.A., Patten, M.A., Pitman, J.C., Powell, L.A., **Smith, J.A.**, Thompson, T., Wolfe, D.H. & Sandercock, B.K. 2015. Factors affecting female space use in ten populations of prairie chickens. *Ecosphere* 6:1–17
 7. **Smith, J.A.**, Matthews, T.W., Holcomb, E.D., Negus, L.P., Davis, C.A., Brown, M., Powell, L.A. & Taylor, J.S. 2015. Invertebrate prey selection by Ring-necked Pheasant (*Phasianus colchicus*) broods in Nebraska. *American Midland Naturalist* 173:318–325
 6. **Smith, J.A.**, & Scholer, M.N**. 2013. Nest components of Crested Caracara (*Caracara cheriway*) breeding in Florida. *Florida Field Naturalist* 41:42–48

5. **Smith, J.A.**, Harrison, T.J.E., Martin, G.R. & Reynolds, S.J. 2013. Feathering the nest: Food supplementation influences nest construction by Blue and Great Tits. *Avian Biology Reviews* 6:18–25
4. **Smith, J.A.**, Dawson, D.A., Horsburgh, G.J. & Reynolds, S.J. 2012. Characterisation of Blue Tit *Cyanistes caeruleus* microsatellite loci, and assessment of sequence homology among species to predict cross-species utility and chromosome locations. *Conservation Genetics Resources* 4:605–612
3. Cooper, C.B. & **Smith, J.A.** 2010. Gender patterns in bird-related recreation in the USA and UK. *Ecology and Society* 15:4–16
2. Harrison, T.J.E., **Smith, J.A.**, Martin, G.R., Chamberlain, D.E., Bearhop, S., Robb, G. & Reynolds, S.J. 2010. Does food supplementation really enhance productivity in breeding birds? *Oecologia* 164:311–320
1. Halsey, L.G., Portugal, S.J., **Smith, J.A.**, Murn, C.P. & Wilson, R.P. 2009. Recording raptor behavior on the wing via accelerometry. *Journal of Field Ornithology* 80:171–177

Abstracts in Peer Reviewed Journals

2. Halsey, L.G., Portugal, S.J., **Smith, J.A.**, Murn, C.P. & Wilson, R.P. 2008. Recording detailed raptor behaviour on the wing: The application of accelerometry. *Comparative Biochemistry and Physiology – Part A Molecular & Integrative Physiology* 150(3):S72
1. Whalen, C., Brown, M.B., McGee, J., Powell, L.A., **Smith, J.A.** & Walsh, E.J. 2014. The acoustic characteristics of Greater Prairie-Chicken Vocalizations. *Journal of the Acoustical Society of America* 136:2073–2073

Book Chapters

2. **Smith, J.A.**, Brown, M.B., & Powell, L.A. 2019. Training Wildlife Biologists for Work in the Anthroscape. In: *Encyclopedia of Worlds Biomes*. Berryman, R., & Gayathri, S. (eds.). Elsevier, NY, USA
1. **Smith, J.A.**, Cooper, C.B. & Reynolds, S.J. 2015. Advances in techniques to study incubation. In: *Nests and Eggs: Incubating New Ideas about Avian Reproduction*. Reynolds, S.J. & Deeming, C (eds.). Oxford University Press, Oxford, UK

Articles in Review in Peer Reviewed Journals/Books (or close to submission)

9. Brooks, G.C., Goodman, S.J., Moore, W., Chandler, H.C., Caruso, N.M., **Smith, J.A.**, Gorman, T.A., & Haas, C.A. *In Review*. Gopher Tortoise (*Gopherus polyphemus*) burrow associate communities are depauperate in modified landscapes. *Community Ecology*
8. Troia, M.J., Javiya, A.V., Doss, R.N., Melzow, S.A., **Smith, J.A.** *In Review*. Mapping habitat suitability of invasive crayfish in aridland riverscapes: Virile crayfish (*Faxonius virilis*) in the Lower Colorado River Basin, USA. *Science of the Total Environment*
7. Thayer, N., Shizuka, D., **Smith, J.A.**, Covino, K, O’Connell, Dayer, A. *In Review*. Affinity groups and belonging in professional societies. *Society and Space*
6. Andringa, R.K., Bruni, N.A., **Smith, J.A.**, Prestridge, H.L., Thornton, R., & Grace, J.K. *In Review*. Gastric lavage is an imprecise method for sampling ingested microplastics in a wild passerine bird. *Science of the Total Environment*
5. Granillo, K., Bateman, H., Gahl, K., Kelly, M., Kyle-Griffis, K., **Smith, J.A.** *In Review*. Field Safety. *Wildlife Techniques Manual*. Johns Hopkins University Press, MD, USA
4. **Smith, J.A.**, Lanzone, M., Lindsay, A., Miller, T., & Webb, L. *In Review*. Capture, handling, and marking of birds. *Wildlife Techniques Manual*. Johns Hopkins University Press, MD, USA
3. **Smith, J.A.**, Harrison, J.O., Schacht, W.H., Brown, M.N., & Powell, L.A. *In Progress*. Site preference and survival of Greater Prairie-Chicken broods is not affected by an existing wind energy facility. *Ecosphere*
2. King-Kostelac, A., Garcia-Louis, C., Walker, K., García-Louis, C., Hinojosa, C*, Granger, L*. & **Smith, J.A.** *In Progress*. Humanizing Informal STEM Learning with Minoritized Communities via Avian Ecology, Mexican American and Indigenous Studies. *Qualitative Research Journal*

1. Gomez, E.A., Joplin, I., Rayner, K., & **Smith, J.A.** *In Progress*. Causes, seasonal trends, and final depositions of diurnal raptors admitted into rehabilitation in south Texas over a 15-year period. *Journal of Raptor Research*

Final Technical Reports

3. **Smith, J.A.**, Carter, J.H., Goodson, J., Jackson, A., King, M., Kolts, J. & Walters, J.R. 2018. Potential contribution of Dare County Bombing Range to the Red-cockaded Woodpecker population in northeastern North Carolina. Final report to the U.S Fish and Wildlife Service
2. Goodman, S.J., Moore, W.M., **Smith, J.A.**, Caruso, N.M., Gorman, T.A. & Haas, C.A. 2018. Gopher tortoises and test ranges: Developing an understanding of the wildlife-habitat relationships for this novel habitat. Final Report to the Department of Defense Legacy Program
1. **Smith, J.A.**, Fraser, J.D. & Morrison, J.L. 2012. Effects of land conversion projects on Crested Caracara (*Caracara cheriway*) in Florida: A pilot study. *Unpublished*. Final report to the U.S Fish and Wildlife Service, Vero Beach, FL, USA

Data Releases

1. Silknetter, S.C*., A.L. Benson, **J.A. Smith**, M.C. Mims. 2023. PRISM AN81m Spatial Climate Data Extracted by USGS 12-Digit Hydrologic Units of the Conterminous United States (1895-2017). U.S. Geological Survey data release, <https://doi.org/10.5066/P9IFBQCM>

RESEARCH GRANTS

Grants as PI/Co-PI

US\$3,331,327 (to date)

1. **Smith, J.A.**, & Troia, M.J. 2023. Assessing seasonal variation in thermal refugia use and drivers of angler participation in removal efforts of suckermouth armored catfish in San Felipe Creek, Val Verde County. Texas Parks and Wildlife Department, TX, USA. (Recommended for funding US\$93,521)
2. King-Kostelac, A., **Smith, J.A.**, & Walker, K. 2023. Advancing minoritized students through regenerative agriculture and community-engaged study abroad. USDA-HSI (Recommended for funding US\$935,129)
3. Walker, K., Garcia-Louis, C., King-Kostelac, A., Saldana, L., & **Smith, J.A.** 2023. The Urban Bird Project. The Andrew W. Mellon Foundation, USA (\$1,522,384)
4. **Smith, J.A.** 2020. The impacts of Bird City Texas on the nature engagement of community members. Texas Parks and Wildlife Department, TX, USA. (\$50,000)
5. Troia, M., & **Smith, J.A.** 2020. Surveying, modeling, and mapping non-native crayfish in the Gila and Little Colorado River basins. U.S. Fish and Wildlife Service, USA (US\$220,609)
6. **Smith, J.A.**, Aleman, E., Aleman, S., Walker, K. & King-Kostelac, A. 2020. Seeding success for STEM engagement in underserved urban neighborhoods through community science, avian ecology, and ethnic studies. USDA-his, USA (US\$259,909)
7. **Smith, J.A.** 2019. Habitat associations of wintering birds in Texas. Texas EcoLab, TX, USA (US\$4,728)
8. Haas, C.A., Chandler, H.C., Gorman T.A. & **Smith, J.A.** 2017. Effects of phenological shifts on flatwoods salamander populations, year 1 funding request on subcontract. U.S. Geological Survey, USA (US\$155,427).
9. **Smith, J.A.** 2013. The effects of a wind farm on invertebrate abundance in the Nebraska Sandhills prairie. Prairie Biotic Research Inc., USA (US\$1000)
10. Powell, L.A., Brown, M. & **Smith, J.A.** 2013. Wind and prairie grouse in Nebraska. Nebraska Game & Parks Commission, NE, USA(US\$88,300)
11. **Smith, J.A.** 2005. Bird ringing development award for equipment and travel to British Columbia, Canada. British Trust for Ornithology, UK (US\$320)

Grants as Senior Personnel

1. Shizuka, D (PI)., & Dayer, A (co-PI), **Smith, J.A.** (Senior Personnel), Covino, K (Senior Personnel), & O’Connell, T (Senior Personnel). 2023. DESIGN: Co-creation of affinity groups to facilitate diverse and inclusive ornithological societies. NSF BIO-LEAPS \$211,435

Grant Proposals in Review

1. Shizuka, D., & Dayer, A., **Smith, J.A.**, Covino, K, & O’Connell. *In Review*. The Flocks Project: Supporting affinity groups and a network of inclusion in ornithology. NSF BIO-LEAPS (Full Award: \$1,048,392; Sub-Award: \$48,949)

AWARDS AND HONORS

Honors

- Nominated and awarded ‘Outstanding Graduate Advisor of Record for the College of Sciences’ for excellent graduate student support and master’s program direction. The University of Texas at San Antonio (2021)
- Nominated for a President’s Distinguished Faculty Achievement Award (University Service Award). The University of Texas at San Antonio (2021)
- Elected as an Elective Member of the American Ornithological Society in recognition of contribution to ornithology (August 2020)
- Nominated and elected for 2nd Term of the Association of Field Ornithologists’ council in recognition of contribution to ornithology (2018-2021)
- Nominated and elected member of the Association of Field Ornithologists’ council in recognition of contribution to ornithology (2015–2018)
- Nominated and awarded The Wildlife Society’s Wildlife Publication Award (2016): Outstanding Article for Winder et al. 2015. *Ecosphere* 6:6–17

Travel Awards

\$S\$4,140 (to date)

- **Smith, J.A.** International Travel Supplemental Grant to the Ornithological Congress of the Americas in Puerto Iguazú, Argentina. Office of the Vice President for Research, Virginia Tech (US\$1,000)
- **Smith, J.A.** Travel Award to the Ornithological Congress of the Americas in Puerto Iguazú, Argentina. Association of Field Ornithologists (US\$1,550)
- **Smith, J.A.** 2016. Travel Award to the North American Ornithological Conference in Washington DC, USA. American Ornithologists’ Union, USA (US\$120)
- **Smith, J.A.** 2014. Travel Award to the American Ornithologists’ Union meeting in Estes Park, Colorado, USA. University of Nebraska-Lincoln Postdoctoral Travel Award (US\$350)
- **Smith, J.A.** 2008. Travel Award to the American Ornithologists’ Union meeting in Portland, Oregon, USA. Anonymous Donor’s Funding, University of Birmingham, UK (US\$320)
- **Smith, J.A.** 2008. Travel Award to the American Ornithologists’ Union meeting in Portland, Oregon, USA. Robert’s Funding, University of Birmingham, UK (US\$800)

CONFERENCE PRESENTATIONS

* *authorship with graduate student*; ** *authorship with undergraduate student or technician*

Oral Presentations

- Smith, J.A.**, & Baum, A*. 2024. Microplastics exposure in terrestrial birds: The effects of foraging strategy. Lights Out, Texas! Annual Partner Meeting and Research Symposium, College Station, Texas, USA. (*Invited*)
- Baum, A*, & **Smith, J.A.** 2024. Exposure of terrestrial birds to microplastic: The effects of ecological traits. 60th Annual Texas Chapter of The Wildlife Society Meeting, Houston, TX, USA.
- Granger, L*., Boughton, R., & **Smith, J.A.** 2023. Space use of Northern Mockingbirds and Northern Cardinals in response to supplemental feeding in urban areas of San Antonio, Texas, USA. Ornithological Congress of The Americas, Gramado, Brazil.

- Smith, J.A.**, & Lamberson, A*. 2023. Range expansion of Crested Caracaras over a 55-year period in three distinct populations. Annual Meeting of The Texas Chapter of The Wildlife Society, Houston, TX, USA
- Nishida, R*., & **Smith, J.A.** 2023. Effects of Bird City Texas on nature engagement and nature relatedness of community members. Annual Meeting of The Texas Chapter of The Wildlife Society, Houston, TX, USA
- Walker, K., Espinoza, R*., Garcia-Louis, C., Gomez, E.A., Granger, L*., Hernandez-Trejo, P*., Hinojosa, C*., King-Kostelac, A., **Smith, J.A.** 2022. How We Hold Things Together, Parts 1 & 2: Community Science & Pluriversal Rhetorical Praxis in the #UrbanBirdProject. National Communication Association, Association for the Rhetoric of Science, Technology, & Medicine (ARSTM). New Orleans, LA, USA.
- Lamberson, A*., & **Smith, J.A.** 2022. Urban wild bird feeding: Impacts on avian abundance and diversity in Texas. Annual Meeting of The Association of Field Ornithologists, Plymouth, Massachusetts.
- Nishida, R*., & **Smith, J.A.** 2022. Effects of Bird City Texas on Nature Engagement of Community Members. Texas Parks and Wildlife Division Urban Ecology Meeting, San Antonio, Texas (*Invited*)
- Javiya, A*., **Smith, J.A.**, & Troia, M. 2022. Environmental niche modelling and mapping of invasive virile crayfish in the Lower Colorado River Basin. Gila River Symposium, Silver City, NM, virtual.
- Walker, K., **Smith, J.A.**, King-Kostelac, A., Garcia-Louis, C., Cortez, M., Granger, L*., Portillo, A., & Hernandez Trejo, P.A*. 2022. Rhetorical Praxis of Pluriversal Coproduction in the #UrbanBirdProject. Rhetorical Society of America Baltimore.
- Javiya, A*., **Smith, J.A.**, & Troia, M. 2022. Predicting invasive crayfish distributions in the Southwest: environmental drivers and model transferability. American Chapter of the American Fisheries Society Annual Meeting Spokane, WA (*Invited*)
- Javiya, A*., **Smith, J.A.**, & Troia, M. 2022. Surveying, modeling, and mapping non-native crayfish in the Gila and Little Colorado River basins. Collaborative Conservation and Adaptive Strategy Toolbox, Monthly Meeting, Virtual (*Invited*)
- Walker, K., **Smith, J.A.**, King-Kostelac, A., Garcia-Louis, C., Cortez, M., Granger, L*., Portillo, A., & Hernandez-Trejo, P*. 2021. Borderlands Rhetorical Praxis & Community Science in the #UrbanBirdProject. National Communication Association Seattle, WA.
- Lamberson, A*., & **Smith, J.A.** 2021. A Multi-Step Approach to Understanding the Effects of Backyard Bird Feeding on the Abundance and Diversity of Birds in San Antonio, Texas. Department of Environmental Science and Ecology, Spring Research Symposium, UTSA, virtual.
- Killian, J*., & **Smith, J.A.** 2021. Evaluation of the Potential Distribution of the Texas Horned Lizard. Department of Environmental Science and Ecology, Spring Research Symposium, UTSA, virtual.
- Vara, G*., & **Smith, J.A.** 2021. The Value of a Small Herbarium for Research. Department of Environmental Science and Ecology, Spring Research Symposium, UTSA, virtual.
- Killian, J*., & **Smith, J.A.** 2021. Can community science increase understanding of the Texas horned lizard (*Phrynosoma cornutum*), a cryptic and threatened species? 7th Annual Texas Conservation Symposium, virtual.
- Lamberson, A*., & **Smith, J.A.** 2020. Bird feeding effects on abundance and diversity of urban birds. Earth Symposium UTSA, virtual.
- Zannino, M*., & **Smith, J.A.** 2020. The effects of rainfall on heron productivity. Earth Symposium UTSA, virtual.
- Seamster, V., & **Smith, J.A.** 2019. Work/life balance challenges for single people. Joint meeting of The Wildlife Society and The American Fisheries Society. Reno, NV, USA (*Invited*)
- Benson, A.L., Silknetter, S*., **Smith, J.A.** & Mims, M.C. 2019. Placing multiple species on the same scale: Assessing rarity and climate sensitivity of freshwater fishes native to the United States. Annual Meeting of Ecological Society of America, Louisville, USA
- Smith, J.A.**, Lamberson, A., & Gomez, E*. 2019. A multi-step approach to evaluate the potential effects of backyard bird feeding on birds in San Antonio, Texas. Texas Ornithological Society, TX, USA (*Invited*)
- Mims, M.C., Silknetter, S*., **Smith, J.A.**, & Benson, A. 2019. The power, potential, and pitfalls of opportunistic data for vulnerability assessments: Lessons from the fishes. Society for Freshwater Science Annual Meeting, Salt Lake City, UT, USA

- Smith, J.A.** 2018. The ecology of birds in human-manipulated landscapes. UTSA College of Sciences Conference, San Antonio, TX, USA
- Petters, J., **Smith, J.A.**, Brooks, G.C*, & Haas C. 2018. Building Data Management Capacity for Field Projects In a Research Group. AGU, Washington D.C., USA
- Walters, J., Blanc, L., Wilson, M*, Millican, D*, **Smith, J.A.**, Novak, L*, & McNeill N*. 2018. Drivers of variation in species interactions among and within nest webs. International Ornithological Congress, Vancouver, British Columbia, Canada
- Brooks, G.C*, **Smith, J.A.**, Frimpong, T.A., Gorman, T.A., Chandler, H.C*, & Hass, C.A. 2018. Indirect connectivity estimates of amphibian breeding wetlands from spatially explicit occupancy models. Joint Meeting of Ichthyologists and Herpetologists, Rochester, NY, USA
- Eshmont, T**, Blanc, L., **Smith, J.A.** 2018. The relationship between urbanization and head trauma occurrences in raptors informed by rehabilitation data. Joint Meeting of the Association of Field Ornithologists and the Wilson Ornithological Society, Chattanooga, TN, USA
- Raynor, E.J., Whalen, C.E*, Harrison, J.O*, **Smith, J.A.**, Brown, M.B. & Powell, L.A. 2017. Greater Prairie-Chicken breeding and movement ecology in the context of acoustics from wind energy facilities. Ecological Society of America, Portland, OR, USA
- Smith, J.A.**, Brust, K., Skelton, J. & Walters, J.R. 2016. Does enrollment in the Safe Harbor Program affect breeding performance of endangered Red-cockaded Woodpeckers? North American Ornithological Conference, Washington DC, USA
- Powell, L.A., Brown, M., **Smith, J.A.**, Harrison, J.O*, Whalen, C.E*, Walsh, E.J., McGee, J. & Raynor, E.J. 2016. Assessment of effects of an existing wind energy facility on Greater Prairie-Chickens in the Nebraska Sandhills. NETWS, Kerney, NE, USA
- Brown, M., **Smith, J.A.**, Whalen, C.E* & Powell, L.A. 2015. Indirect effects of a wind energy facility on the behavior of Greater Prairie-Chickens (*Tympanuchus cupido pinnatus*) at leks in Nebraska, USA. Nebraska Natural Legacy Conference, Kearney, NE, USA
- Powell, L.A., Brown, M., Harrison, J.O*, Raynor, E., **Smith, J.A.** & Whalen, C.E*. 2015. Greater Prairie-Chicken demographics, behavior, and movements: In the context of a wind energy facility in Nebraska. 8th Annual Nebraska Wind and Solar Conference and Exhibition, La Vista, NE, USA (*Invited*)
- Winder, V.L., Carrlson, K.M., Gregory, A.J., Hagen, C.A., Haukos, D.A., Kesler, D.C., Larsson, L.C., Matthews, T.W., McNew, L.B., Patten, M.A., Patten, M.A., Pitman, J.C., Powell, L.A., **Smith, J.A.**, Thompson, T., Wolfe, D.H. & Sandercock, B.K. 2015. Ecological correlates of female space use in ten populations of prairie chickens. Meeting of the Prairie Grouse Technical Council, Nevada, MO, USA
- Brown, M., **Smith, J.A.**, Whalen, C.E* & Powell, L.A. 2015. Indirect effects of a wind energy facility on the behavior of Greater Prairie-Chickens (*Tympanuchus cupido pinnatus*) at leks in Nebraska, USA. 13th International Grouse Symposium, Reykavik, Iceland
- Powell, L.A., Brown, M. & **Smith, J.A.** 2015. Modeling thresholds to detect effects of disturbance on grouse: Matching non-linear models to biological processes. 13th International Grouse Symposium, Reykavik, Iceland
- Whalen, C.E*, Brown, M., McGee, J., Powell, L.A., **Smith, J.A.** & Walsh E.J. 2015. The effects of wind turbines on male Greater Prairie-Chicken (*Tympanuchus cupido pinnatus*) vocalizations. Joint Meeting of the AFO, SCO and WOS, Wolfsville, NS, Canada
- Smith, J.A.**, Olney, J*, Whalen, C*, Brown, M.B. & Powell, L.A. 2014. Indirect effects of a wind farm on predation risk and survival of Greater Prairie-Chickens. American Ornithologists' Union meeting in Estes Park, CO, USA (*Invited*)
- Smith, J.A.**, Brown, M.B. & Powell, L.A. 2014. Training Wildlife Biologists for Work on Private Lands. Congress for Wildlife and Livelihood on Private and Communal Lands: Livestock, Tourism and Spirit, Estes Park, CO, USA
- Whalen, C*, Brown, M.B., McGee, J., Powell, L.A., **Smith, J.A.** & Walsh, E.2014. The acoustic characteristics of Greater Prairie-Chicken vocalizations. Acoustical Society of America, Indianapolis, IN, USA
- Smith, J.A.**, Olney, J*, Whalen, C*, Brown, M.B. & Powell, L.A. 2014. Indirect effects of a wind farm

- on predation risk and survival of Greater Prairie-Chickens. 7th Annual Nebraska Wind and Solar Conference and Exhibition, La Vista, NE, USA (*Invited*)
- Olney, J.A*., Brown, M.B., Powell, L.A & **Smith, J.A.** 2014. Movements and breeding demographics of Greater Prairie-Chickens near a wind farm in the grasslands of the Nebraska Sandhills. Center for Grassland Studies Citizens Advisory Council Meeting, Lincoln, NE, USA (*Invited*)
- Whalen, C*., Brown, M.B., McGee, J., Powell, L.A., **Smith, J.A.** & Walsh, E.2014. The acoustic characteristics of Greater Prairie-Chicken vocalizations. Nebraska Natural Legacy Conference, Gering, NE, USA
- Morrison, J.L., **Smith, J.A.**, Cooper, L.F., Roberts, C., Fraser, J.D. & Dwyer, J.F. 2014. New transmitter technology: embracing the potential while understanding the limitations. Raptor Research Foundation Annual Meeting, Corpus Christi, TX, USA
- Smith, J.A.**, Olney, J*., Whalen, C*., Brown, M.B. & Powell, L.A. 2014. Assessing the effects of wind farms on Greater Prairie-Chickens (*Tympanuchus cupido*) in Nebraska. Audubon's Nebraska Crane Festival, Kearney, NE, USA (*Invited*)
- Smith, J.A.**, Brown, M. & Powell, L.A. 2014. Effects of a wind farm on predation risk of Greater Prairie-Chickens. 74th Midwest Fish and Wildlife Conference, Kansas City, MO, USA
- Powell, L.A., Brown, M., **Smith, J.A.**, Fontaine, J.J., Jezierski, C., Lusk, J., McCarty, J., McGee, J., Olney, J., Schacht, W., Vodenhal, B., Walsh, E., Whalen, C., Willis, H., Wolfenberger, L. 2013. Wildlife avoidance studies: the need to evaluate mechanisms. Nebraska Wind Conference, Nebraska Energy Office, Lincoln, NE, USA (*Invited*)
- Smith, J.A.**, Olney, J., Whalen, C*., Brown, M. & Powell, L.A. 2013. Effects of wind farms on Greater Prairie-Chickens (*Tympanuchus cupido*) in Nebraska: an update. Society of Range Management: Nebraska Section, Ainsworth, NE, USA (*Invited*)
- Smith, J.A.**, Brown, M. & Powell, L.A. 2013. Effects of wind farms on predation risk of Greater Prairie-Chickens (*Tympanuchus cupido*). Nebraska Natural Legacy Conference 2013, Nebraska Game & Parks Commission, Nebraska City, NE, USA
- Smith, J.A.**, Harrison, T.J.E., Martin, G.R. & Reynolds, S.J. 2012. Feathering the nest: food supplementation influences nest construction by Blue and Great Tits. Nest Construction and Function 2012, University of Lincoln, UK
- Smith, J.A.**, Burke, T.A. & S.J. Reynolds. 2010 The effects of food availability on extra-pair paternity and brood sex ratio of a small passerine. 25th International Ornithological Congress, Campos do Jordão, Brazil
- Smith, J.A.**, Harrison, T.J.E., Martin, G.R. & Reynolds, S.J. 2008. The effects of supplementary feeding on the incubation behaviour of woodland birds. American Ornithologists' Union meeting in Portland, OR, USA
- Harrison, T.J.E., **Smith, J.A.**, Martin, G.R. & Reynolds, S.J. 2008. Should we feed birds? Food supplementation during the spring and early summer. Edward Grey Institute for Field Ornithology Student Conference, University of Oxford, UK

Poster Presentations

- Morin, R**., Troia, M., **Smith, J.A.**, & Veach, A. 2024. Detection of invasive virile crayfish (*Faxonius virilis*) in the Lower Colorado River basin (Arizona) using environmental DNA. Texas Academy of Science 127th Annual Meeting, Odessa, TX, USA.
- Akhrass, S**., Kinder, J**., Monk, J**., Salazar, L**., Schloemer, A**., Tarin, I**., Baum, A*., & **Smith, J.A.** 2024. An assessment of bird building collisions on The University of Texas at San Antonio's main campus. 60th Annual Texas Chapter of The Wildlife Society Meeting, Houston, TX, USA.
- Hoxie, A., Mathewson, H.A., Mitchell, A., Heidinger, B., Names, G., Grindstaff, & **Smith, J.A.** 2023. Abundance and Effects of Microplastic Pollution in House Sparrow (*Passer domesticus*) Nestlings and Eggs. The Wildlife Society's Annual Conference, Louisville, KY, USA.
- Andringa, R.K*., **Smith, J.A.**, & Grace, J.K. 2023. In-field efficacy of non-lethal gastric lavage to recover ingested microplastics from passerines. Ornithological Congress of The Americas, Gramado, Brazil.
- Smith, J.A.**, Espinoza, R*., Garcia-Louis, C., Granger, L*., Hernandez-Trejo, P*., Hinojosa,

- C*, King-Kostelac, A., & Walker, K. 2023. The Urban Bird Project. Ornithological Congress of The Americas, Gramado, Brazil.
- Prestridge, H., Andringa, K*, Nix, S., Wang, Z., Crumley, C., **Smith, J.A.**, Mencio, C., Hamer, S., & Voelker, G. (2023). Lights out, Texas! Maximizing the scientific value of birds salvaged after a series of unfortunate events. 70th Annual Meeting of The Southwestern Association of Naturalists. San Antonio, TX, USA
- King-Kostelac, A., Garcia-Louis, C., Walker, K., García-Louis, C., Hinajosa, C*, Espinosa, R., Hernandez-Trejo, P*, Granger, L* & **Smith, J.A.** (2023). #UrbanBirdProject: Supporting Minoritized Communities STEM Learning via Avia Ecology, Mexican American Studies and Indigenous Studies. AERA 2023 Annual Meeting, Chicago, IL, USA
- Troia, M., Javiya, A*, & **Smith, J.A.** 2023. Trait-mediated species interactions drive co-occurrence of invasive and native species. Texas Chapter of The American Fisheries Association. Corpus Christi, Texas.
- Nishida, R*, & **Smith, J.A.** 2022. The impacts of Bird City Texas on the nature engagement and nature relatedness of community members. Annual Meeting of The Wildlife Society, Spokane, Wash.
- Granger, L*, & **Smith, J.A.** 2022. Bird feeding and its potential effects on Northern Cardinal and Northern Mockingbird space use. Annual Meeting of The Association of Field Ornithologists, Plymouth, Mass.
- Baum, A*, & **Smith, J.A.** 2022. Microplastic accumulation in terrestrial birds. Annual Meeting of The Association of Field Ornithologists, Plymouth, Mass.
- Javiya, A*, **Smith, J.A.**, & Troia, M. 2022. Predicting invasive crayfish distributions in the Southwest: environmental drivers and model transferability. Texas Chapter of the American Chapter of the American Fisheries Society Annual Meeting, Hunt, TX.
- Martinez, G*, & **Smith, J.A.** 2021. Seasonal Breeding Phenology and Range of the Mexican White-Lipped Frog (*Leptodactylus fragilis*) in the Rio Grande Valley of Texas. Spring Research Symposium, UTSA Department of Environmental Science and Ecology, virtual.
- Vela, J*, & **Smith, J.A.** 2021. Urban Environmental Factors Predicting Site Occupancy of Owls in San Antonio, Texas. Spring Research Symposium, UTSA Department of Environmental Science and Ecology, virtual.
- Gomez, E*, & **Smith, J.A.** 2020. Anticoagulant rodenticides and secondary exposure to raptors in Texas. Earth Symposium UTSA, virtual.
- Killian, J*, & **Smith, J.A.** 2020. Determining Texas horned lizard population abundance in Karnes and Wilson counties using visual encounter surveys. Earth Symposium UTSA, virtual.
- Vara, G*, & **Smith, J.A.** 2020. The importance of herbaria in research. Earth Symposium, UTSA, virtual.
- Lamberson, A.M*, & **Smith, J.A.** 2020. A multi-step approach to understanding the effects of backyard bird feeding on the abundance and diversity of birds in San Antonio, Texas. North American Ornithological Congress (online).
- Lamberson, A.M*, & **Smith, J.A.** 2020. A multi-step approach to understanding the effects of backyard bird feeding on the abundance and diversity of birds in San Antonio, Texas. Texas Chapter of The Wildlife Society. Corpus Christi, TX, USA.
- Van Noy, S**, Poor, E*, Moore, W.M*, **Smith, J.A.**, Caruso, N.M., & Haas, C.A. 2020. Home range estimation and comparison for gopher tortoises using GPS transmitters. Virginia Chapter of The Wildlife Society, Ashland, VA, USA.
- Moore, W.M*, Van Noy, S.J**, Browning, E.A., Ewers, C.M., Caruso, N.M., Goodman, S.J., **Smith, J.A.**, Gorman, T.A., & Haas, C.A. 2019. Movement patterns of gopher tortoises at Eglin Air Force Base, Florida: Preliminary results and an assessment of GPS transmitter performance on a burrowing reptile. 41st Annual Gopher Tortoise Council Meeting, Gulf Shores, AL, USA.
- Gomez, E.A*, & **Smith, J.A.** 2019. Evaluation of the potential effects of anticoagulant rodenticide exposure to raptors in San Antonio, Texas. 2019 Joint Meeting of Wilson Ornithological Society and the Association of Field Ornithologists. Cape May, NJ, USA.
- Lamberson, A.M*, & **Smith, J.A.** 2019 A multi-step approach to understanding the effects of backyard bird feeding on the abundance and diversity of birds in San Antonio, Texas. 2019 Joint Meeting of Wilson Ornithological Society and the Association of Field Ornithologists. Cape May, NJ, USA.
- Rincon, B.K**, Caruso, N.M., Brooks, G.C*, Jones, K.C**, Haas, C.A., & **Smith, J.A.** 2019.

- Monitoring reticulated flatwoods salamanders with PIT tag antennas. SEPARC Annual Meeting, Black Mountain, NC, USA
- Brooks, G.C*., **Smith, J.A.**, Gorman, T.A., & Haas, C.A. 2018. Discerning the environmental drivers of annual migrations in an endangered amphibian. Joint Meeting of Ichthyologists and Herpetologists, Rochester, NY, USA
- Smith, J.A.**, Benson, A., Dunham, J., Yamada, S**., & Mims, M.C. 2018. Functional and geographic components of risk and rarity for stream fishes across the United States. Society of Freshwater Science Annual Meeting, Detroit, MI, USA
- Moore, W*., Goodman, S**., Gorman, T.A., Haas, C., & **Smith, J.A.** 2018. Use of military test ranges and forested sandhills by Gopher Tortoises on Eglin Air Force Base, Florida. Annual Southeast Partners in Amphibian and Reptile Conservation Meeting, Helen, GA, USA
- Smith, J.A.**, & Walters, J.R. 2017. A habitat model to aid the conservation of Red-cockaded Woodpeckers in the swamps of North Carolina. Ornithological Congress of the Americas. Puerto Iguazu, Argentina
- Smith, J.A.**, Brown, M., Harrison, J.O*., & Powell, L.A. 2015. Predation risk as a mechanism for effects of a wind energy facility on survival of female Greater Prairie-Chickens (*Tympanuchus cupido pinnatus*) in Nebraska, USA. 13th International Grouse Symposium, Reykavik, Iceland
- Smith, J.A.**, Brown, M., Whalen, C.E*., & Powell, L.A. 2015. Indirect effects of a wind energy development on the lekking behavior of Greater Prairie-Chickens (*Tympanuchus cupido pinnatus*) Joint Meeting of the AFO, SCO and WOS, Wolfsille, NS, Canada
- Smith, J.A.**, Brown, M.B. & Powell, L.A. 2014. Overcoming the challenges of working on private lands: targeted training. Congress for Wildlife and Livelihood on Private and Communal Lands: Livestock, Tourism and Spirit, Estes Park, CO, USA
- Olney, J.A*., Brown, M.B., Powell, L.A. & **Smith, J.A.** 2014. Effect of a wind farm on Greater Prairie-Chicken nest site preference in the Nebraska Sandhills, The Wildlife Society Annual Conference, Pittsburgh, PA, USA.
- Olney, J.A*., Brown, M.B., Powell, L.A. & **Smith, J.A.** 2014. Greater Prairie-Chicken nest site selection and nest success in the Nebraska Sandhills, 74th Annual Midwest Fish & Wildlife Conference, Kansas City, MO, USA
- Olney, J*., Brown, M., Powell, L.A. & **Smith, J.A.** 2013. Greater Prairie-Chicken survival, reproduction, and movements in the Nebraska Sandhills. Nebraska Natural Legacy Conference 2013, Nebraska Game & Parks Commission, Nebraska City, NE, USA
- Whalen, C*., Brown, M., Powell, L.A., & **Smith, J.A.** 2013. Effects of wind turbines on male Greater Prairie-Chicken behavior. Nebraska Natural Legacy Conference 2013, Nebraska Game & Parks Commission, Nebraska City, NE, USA
- Olney, J*., Brown, M., Powell, L.A. & **Smith, J.A.** 2013. Greater Prairie-Chicken survival, reproduction, and movements in the Nebraska Sandhills. Prairie Grouse Technical Council Meeting, Crookston, MN, USA
- Whalen, C*., Brown, M., Powell, L.A., & **Smith, J.A.** 2013. Effects of wind turbines on male Greater Prairie-Chicken behavior. Prairie Grouse Technical Council Meeting, Crookston, MN, USA
- Olney, J*., Whalen, C*., **Smith, J.A.**, Brown, M. & Powell, L.A. 2012. Greater Prairie-Chickens and wind energy development. Nebraska Legacy Conference, North Platte, NE, USA
- Smith, J.A.**, Fraser, J.D. & Morrison, J.L. 2012. A habitat model to assist in the conservation of Crested Caracara. North American Ornithological Conference, Vancouver, BC, Canada
- Smith, J.A.**, Fraser, J.D. & Morrison, J.L. 2011. Spatial ecology of threatened Northern Crested Caracara (*Caracara cheriway*) in south central Florida. Raptor Research Foundation Annual Meeting, Duluth, MN, USA
- Webber, S., **Smith, J.A.**, Brulez, K., Martin, G.R. & Reynolds, S.J. 2010. The balance of provisioning effort: Do increased food resources affect the contribution of parents during brood rearing? 25th International Ornithological Congress, Campos do Jordão, Brazil
- Reynolds, S.J., Martin, G.R., **Smith, J.A.**, Webber, S.L. & Harrison, T.J.E. 2010. Does supplementary feeding enhance the breeding performance of birds? Lessons from a protracted study in the UK. 25th International Ornithological Congress, Campos do Jordão, Brazil
- Webber, S., Harrison, T., **Smith, J.A.**, Coleman, B., Kelly, L., Kelly, T., Martin, G.R. & Reynolds, S.J.

2010. Surprising effects of supplementary feeding in the spring revealed by ringing in the autumn. British Trust for Ornithology annual conference, Derbyshire, UK
- Webber, S.L., **Smith, J.A.**, Martin, G.R. & Reynolds, S.J. 2010. Food for the brood: does supplementary feeding influence parental contributions to chick provisioning in Blue and Great Tits? Edward Grey Institute for Field Ornithology Student Conference, University of Oxford, UK
- Halsey, L.G., Portugal, S.J., **Smith, J.A.**, Murn, C.P. & Wilson, R.P. 2008. Recording detailed raptor behaviour on the wing: the application of accelerometry. SEB Main Meeting, Marseille, France
- Smith, J.A.**, Harrison, T.J.E., Martin, G.R. & Reynolds, S.J. 2007. The effects of supplementary feeding on the incubation behaviour of woodland birds. Edward Grey Institute for Field Ornithology Student Conference, University of Oxford, UK

INVITED SEMINARS

- Smith, J.A.** 2024. Combining avian ecology and human dimensions: A vision for promoting quail management. Texas A&M Kingsville, TX, USA.
- Smith, J.A.** 2022. Food for thought: Backyard bird feeding affects the ecology of birds across seasons. Texas A&M San Antonio, TX.
- Smith, J.A.** 2018. Evaluating the effects of wind farms on wildlife: A mechanistic approach. Trinity University, San Antonio, TX, USA
- Smith, J.A.** 2018. Evaluating the Effects of energy infrastructure on Wildlife: A Mechanistic Approach. Texas Sustainable Energy Research Institute, San Antonio, TX, USA
- Smith, J.A.** 2018. Evaluating the effects of wind farms on wildlife: A mechanistic approach. Texas A&M Corpus Christi, TX, USA
- Smith, J.A.** 2016. Does enrollment in the Safe Harbor Program affect breeding performance of endangered Red-cockaded Woodpeckers? Archbold Biological Station, FL, USA
- Smith, J.A.**, Olney, J., Whalen, C., Brown, M.B. & Powell, L.A. 2015. Assessing the effects of wind farms on Greater Prairie-Chickens: A mechanistic approach. School of Natural Resources, University of Nebraska-Lincoln, NE, USA
- Smith, J.A.** 2013. Conflicts between ‘greener alternatives’ and species of conservation concern: Greater Prairie-Chickens and Crested Caracaras. Division of Biology, Kansas State University, Manhattan, KS, USA
- Smith, J.A.** 2012. Evaluating the effects of land conversion projects on threatened Crested Caracara: A pilot study. School of Natural Resources, University of Nebraska-Lincoln, NE, USA
- Smith, J.A.** 2012. A habitat model to assist in the conservation of Crested Caracara (*Caracara cheriway*). U.S Fish and Wildlife Service, Vero Beach, FL, USA
- Smith, J.A.** 2012. Effects of land conversion projects on Crested Caracara (*Caracara cheriway*) in Florida: A pilot study. Archbold Biological Station, FL, USA

TEACHING EXPERIENCE

- **Courses & Laboratory Sections Taught**
 - **Regenerative Agriculture in Veracruz** (ES 6973/ES 4953) – developed and co-led a study abroad program with 11 students to Veracruz, Mexico (Summer 2024).
 - **Community-Based Research in Environmental Justice: The Urban Bird Project** (ES 4953/ENG 6023/ENG 3363/ENG 3383/ EDL 7783/MAS 4953). Developed and co-taught a class of 42 students from across disciplines as part of an interdisciplinary grant funded through the Mellon Foundation (Fall 2023)
 - **Human Dimensions of Wildlife** (ES 6973/ES 3953). Developed and taught class of 19 students (Spring 2021, Fall 2023)
 - **Urban Wildlife Ecology** (E 4223/ES 6973) – developed and taught classes of 12-20 students (Fall 2019-present); The University of Texas at San Antonio
 - **Ornithology** (ES 3163/BIO 4063/ES 5763) – developed and taught classes of 20-45 students (Spring 2019-present); The University of Texas at San Antonio
 - **Ornithology** (ES 5763) – developed and taught class of 7 graduate students (Spring 2019); The University of Texas at San Antonio

- **Independent Study** (ES 6951/6953) – developed 12 independent studies for graduate students focused on skills needed for independent field-based research (Spring 2019-present)
- **Independent Study** (ES 4913/BIO 4913) – developed 4 independent studies for undergraduate students focused on skills needed for independent field-based research (Spring 2022-present)
- **Introduction to Agricultural & Natural Resource Systems** (NRES/AGRI 103) – Led a recitation section of 26 students; University of Nebraska-Lincoln, NE, USA; Fall 2013
- **Wildlife Management Techniques** (NRES 433/833) – Assisted on three residential undergraduate field courses taken by approximately 50 students to Cedar Point Biological Station, NE, USA. I taught students a range of field techniques and introduced new course content that I developed; University of Nebraska-Lincoln; Fall 2012–2014
- **Florida Field Ecology Course** (40-credit final year practical project) – I co-taught and supervised undergraduate students on two international field ecology courses to Archbold Biological Station, Lake Placid, FL, USA; University of Birmingham, UK; Summer 2009 & 2011
- **Human Evolution, Adaptation & Behaviour** (BIO263) – TA; Assisted in laboratory section with 100+ students; University of Birmingham, UK; 2007–2009
- **Animal Sensory Systems, Neurobiology and Behaviour** (BIO266) – TA; Assisted in laboratory section with 100+ students; University of Birmingham, UK; 2007–2009
- **Introduction to Evolution and Animal Biology** (BIO145) – TA; Assisted in laboratory section with 100+ students; University of Birmingham, UK; 2007–2009
- **Guest Lectures**
 - **Smith, J.A.** 2022. Food For Thought: Backyard Bird Feeding Affects The Ecology of Birds Across Seasons. Texas A&M Kingsville, TX, USA
 - **Smith, J.A.** 2019. Evaluating the effects of wind farms on wildlife: A mechanistic approach (ES 4213), Environmental Science & Ecology, The University of Texas at San Antonio, TX, USA.
 - **Smith, J.A.** 2019. Writing a Literature Review (ES 5143), Environmental Science & Ecology, The University of Texas at San Antonio, TX, USA.
 - **Smith, J.A.** 2019. Ornithology 101 (ES 4123), Environmental Science & Ecology, The University of Texas at San Antonio, TX, USA.
 - **Smith, J.A.** 2019. Orientation for Graduate Students (ES 5013), Environmental Science & Ecology, The University of Texas at San Antonio, TX, USA.
 - **Smith, J.A.** 2019. A career as an ornithologist (AIS 1203). College of Sciences, The University of Texas at San Antonio, TX, USA.
 - **Smith, J.A.** 2018. Evaluating the effects of wind farms on wildlife: A mechanistic approach (ES 4213), Environmental Science & Ecology, The University of Texas at San Antonio, TX, USA.
 - **Smith, J.A.** 2018. Evaluating the effects of wind farms on wildlife: A mechanistic approach (ES 4212), Environmental Science & Ecology, The University of Texas at San Antonio, TX, USA.
 - **Smith, J.A.** 2018. Evaluating the effects of wind farms on wildlife: A mechanistic approach Department of Geology, The University of Texas at San Antonio, TX, USA.
 - **Smith, J.A.** 2017. Sustainable renewable energy: Considering wildlife. Sustainable Civil Infrastructure Systems (BC 5144), Department of Building Construction, Virginia Tech, VA, USA (guest teaching over two sequential classes)
 - **Smith, J.A.** 2016. Demography & conservation. Ornithology (BIOL 4404), Department of Biological Sciences, Virginia Tech, VA, USA
 - **Smith, J.A.** 2014. Assessing the effects of wind farms on Greater Prairie-Chickens: A mechanistic approach. Department of Biology, Benedictine College, KS, USA

- **Smith, J.A.** 2009. Using genetic techniques to evaluate bird behaviour in the field. Advanced Topics in Animal Behaviour (BIO392), School of Biosciences, University of Birmingham, UK
- **Smith, J.A.** 2008. Remote sensing techniques in field ornithology. MSc in Ornithology, School of Biosciences, University of Birmingham, UK
- **Advising**
 - Graduate Advisor and Committee Chair for 10 MSc thesis students, 11 MSc non-thesis students, and 1 PhD student at UTSA (2018 – present)
 - Committee member for 7 MSc thesis students, 8 MSc non-thesis students, and 1 PhD student at The University of Texas at San Antonio (2018 – present)
 - External committee member for 2 PhD students (Keith Andringa, TAMU, Jan 2022-present; Mike Stewart, TAMUK, Oct 2022 – present)
 - Mentored undergraduate research assistants in the Smith Lab at UTSA
 - Mentored a pre-vet undergraduate student at Virginia Tech by providing guidance and support through his research project and during preparation of a manuscript for the Journal of Raptor Biology (2017–present)
 - Mentored numerous field technicians and graduate students at Virginia Tech by providing guidance and support during research and preparation of manuscripts for peer reviewed journals (2016–present)
 - Acted as a mentor to graduate students in an NSF Graduate Research Fellowship Program preparation class at Virginia Tech (2017)
 - Mentored two MSc students at the University of Nebraska-Lincoln, NE, USA by providing them with guidance and support throughout project development, proposal writing, field seasons, and preparation of manuscripts for peer reviewed journals (2012–2014)
 - Mentored two undergraduate research assistants at the University of Nebraska-Lincoln, NE, USA both in the field and in the lab (2013–2014)
 - Acted as a reader on undergraduate student’s thesis at University of Nebraska-Lincoln, NE, USA (2013)
 - Co-supervised two undergraduate students writing both laboratory and literature based dissertations at the University of Birmingham, UK (2008–2009)
 - Supervised six international undergraduate students through the IAESTE UK Trainee Scheme run by the British Council at the University of Birmingham, UK (2007–2009)
- **Graduated Thesis/Dissertation Students (as Chair)**
 1. **John Kinsey.** July 2024. *Ecology and Management of Invasive Wild Pigs in the Edwards Plateau Ecoregion of Texas.* Ph.D. Committee Chair, UTSA
 2. **Lauren Granger.** July 2024. *The Effects of Supplementary Bird Feeding on Space Use of Backyard Birds in San Antonio, Texas.* MSc Committee Chair, UTSA
 3. **Jose Vela.** April 2024. *Urban environmental factors predicting site occupancy of owls in San Antonio, TX.* MSc Committee Chair, UTSA
 4. **Rebecca Nishida.** Nov 2023. *The effects of Bird City Texas on nature relatedness, environmental stewardship behavior, and other factors linked to nature engagement.* MSc Committee Chair, UTSA
 5. **Marina Zannino.** Nov 2022. *The impacts of rainfall and temperature on the breeding productivity and foraging of Great Blue Herons in southern Texas.* MSc Committee Chair, UTSA
 6. **Eres Gomez.** July 2022. *Potential effects of rodenticide exposure to raptors in Texas.* MSc Committee Chair, UTSA
 7. **Amanda Lamberson.** May 2022. *Effects of backyard bird feeding on the diversity and abundance of birds in San Antonio.* MSc Committee Chair, UTSA
 8. **Gabriela Vela.** July 2021. *Using herbarium samples to evaluate changes in distributions of ornamental plants in Texas.* MSc Committee Chair, UTSA

- **Graduated Non-thesis MSc Students (as Chair)**

1. **Mariah Valdivia**. July 2023. Committee Chair, UTSA
2. **Julio Garcia**. May 2023. Committee Chair, UTSA
3. **Maegan Martinez**. May 2022. Committee Chair, UTSA
4. **Emily Pavlik**. May 2022. Committee Chair, UTSA
5. **Stephen Ferguson**. May 2020. Committee Chair, UTSA
6. **Haiel Haifa**. May 2020. Committee Chair, UTSA

SERVICE

• Department/College/University

- Established and serve as Faculty Advisor for the UTSA Chapter of The Wildlife Society (2019–present)
- Undergraduate Curriculum Committee Member, Integrative Biology, The University of Texas at San Antonio, TX, USA (2024–present)
- Scholarship Committee Member, Integrative Biology, The University of Texas at San Antonio, TX, USA (2021–2022)
- Graduate Studies Committee Member, Integrative Biology, The University of Texas at San Antonio, TX, USA (Fall 2021–present)
- Chair of the Graduate Studies Committee, Environmental Science and Ecology, The University of Texas at San Antonio, TX, USA (Spring 2019; Fall 2019–Summer 2021)
- Faculty Development Leave Committee Member (Spring 2020–Spring 2022)
- College of Science Policy Committee Member, College of Science, The University of Texas at San Antonio, TX, USA (2019–2022)
- Interdepartmental MS Degree Task Force Committee Member (Spring 2022).
- Chair of Faculty Merit Review Committee, Environmental Science and Ecology, The University of Texas at San Antonio, TX, USA (2019–2022)
- External member of Search Committee for an Assistant Professor in the Physics Department, The University of Texas at San Antonio (Fall 2021)
- Search Committee member for an Assistant Professor of Practice, Department of Integrative Biology, The University of Texas at San Antonio (Fall 2021)
- Graduate Advisory of Record, Environmental Science and Ecology, The University of Texas at San Antonio (Spring 2019; Fall 2019–Summer 2021)
- Member of the Graduate Council, Environmental Science and Ecology, The University of Texas at San Antonio, TX, USA (Spring 2019; Fall 2019–2021)
- Tactical Team Committee Member ‘Enabling Clear Pathways to Degree Completion’; The University of Texas at San Antonio, TX, USA (2020).
- Mentor for the UTSA New Faculty Peer Mentorship Program (Fall 2020)
- College of Sciences Workload Policy Committee Member (Fall 2019–Spring 2020)
- External member of Search Committee for an Assistant Professor in the Mathematics Department, The University of Texas at San Antonio (Fall 2019).
- Organized non-academic career working group for postdocs and graduate students, Virginia Tech, VA, USA (2016–2017)
- Reviewed 14 grant applications for the Global Change Center, Virginia Tech, VA, USA (2015)
- Reviewed papers for the USGS Cooperative Research Unit, University of Nebraska-Lincoln, NE, USA (2013)
- Supervised 15+ field technicians on multiple projects (2007–2014)
- Contributed to the Biosciences Postgraduate Open Day at the University of Birmingham, UK by giving a presentation entitled “Why do a PhD?” (2010)

• Professional

- Associate Editor of The Journal of Field Ornithologists (2022–present)
- Associate Editor of *The Condor: Ornithological Applications* (2015–2021)

- Council Member for The Association of Field Ornithologists' council (2015–2021)
- Member of The Association of Field Ornithologist's Ethics Committee (2022–present)
- Co-chair of The Association of Field Ornithologist's Diversity, Inclusion, Equity and Justice Committee (2023–present)
- Member of The Association of Field Ornithologist's Diversity, Inclusion, Equity and Justice Committee (2021–2023)
- Co-Chair of the Association of Field Ornithologist's Communication committee (2018–2023)
- Chair of The Association of Field Ornithologist's Publications Committee (Spring 2022–Spring 2023)
- Chair/member of the Association of Field Ornithologist's Student and Early Professional Committee (2017–2022)
- Chair of the Diversity and Inclusion Committee for the North American Ornithological Conference (2019–2020)
- Steering Committee member for the North American Ornithological Conference (2019–2020)
- Adjunct faculty at Southern Illinois University (2019–2020), Texas A&M-College Station (2023–present), Texas A&M-Kingsville (2023–present)
- Editor of the Association of Field Ornithologists' *AFO Afield* newsletter (October 2014–2018)
- Review Bergstrom Award proposals submitted to the Association of Field Ornithologists (2015–present)
- Co-organizer and co-presenter of a Women in Wildlife workshop 'Inclusive Field Safety Interactive Discussion' at the 60th Annual Texas Chapter of The Wildlife Society Meeting, Houston, TX, USA (February 2024)
- Symposium organizer and chair for a full-day symposium 'Avian Interactions with Energy Infrastructure: Challenges of Being Green' at The American Ornithologists' Union meeting, Estes Park, CO, USA (September 2014)
- Reviewed manuscripts for Journal of Animal Ecology, Avian Biology Research, Behavioral Ecology and Sociobiology, Behaviour, Biological Conservation, Biological Invasions, Bird Study, Ibis, Naturwissenschaften, Journal of Environmental Management, Journal of Field Ornithology, Journal of Great Plains Research, Journal of Raptor Research, Journal of Thermal Biology, Journal of Wildlife Management, PLoS ONE, Wilson Journal of Ornithology, and The Condor: Ornithological Applications (2008–present)
- Reviewed grant proposals submitted to the Nebraska Environmental Trust (2013–2015)
- **Community**
 - Provided commentary/audio clip about the use of window strike birds in my microplastic research for the 'Lights Out, Texas' exhibit held in College Station, TX (Aug-Sep 2023)
 - Lead a bird walk for local community members in San Antonio, TX as part of Agua es Vida, a festival hosted by San Antonio River Foundation (July 2023)
 - Led a bird walk for local community members in San Antonio, TX as part of a Spring Equinox Celebration hosted by San Antonio River Foundation (Spring 2023)
 - As part of 'Urban Bird Project' funded via the USDA and Mellon Foundation, I co-led an afterschool club for middle school students (6th and 7th grade) at three different schools in underserved areas of San Antonio, Texas (Fall 2021-Spring 2023)
 - Guest speaker with artist, Donald Moffett at The McNay Art Museum as part of 'Minding The Gap; Art and Ecology Collide' (Spring 2022)
 - Guest speaker at 'Rebel Bells', an event organized by Chicago Audubon to engage minoritized students in STEM (virtual; Spring 2022)
 - Reviewed applications for Texas Parks and Wildlife Division/Audubon's Bird City Texas Program (2019-2021)
 - Committee member for Audubon Mitchell Lake Conservation Committee, San Antonio, TX, USA (2018–2022)

- Given numerous lectures about my research to local communities (e.g. ranchers, bird clubs, Wildlife Trust, zoo, church groups)
- Provided commentary to local and national written press about my research (including The BBC, The Wildlife Society, NebraskaLand, NebraskaLife The Audubon Society, Natural World, San Antonio Express News, San Antonio Magazine, UTSA Today, UTSA's Sombrilla Magazine, Scientific American)
- Given interviews on local and national radio stations about my research (including NPR Science Friday, KBRB Radio)
- Given interviews on local TV stations about my research (Telemundo)
- Provided commentary for a PBS documentary about the Florida Wildlife Corridor Expedition (2012)
- Participated in Naturepalooza, a scientific outreach event developed by the University of Nebraska-Lincoln, NE, USA introducing children to the diversity and functions of bird bills
- Contributed to a career fair at Ainsworth High School, NE, USA
- Introduced field techniques and avian scavenger ecology to high school students during two summer camps at Archbold Biological Station, FL, USA (2011–2012)
- Participated in numerous outreach events across the West Midlands (UK) aimed to introduce public to bird banding

PROFESSIONAL MEMBERSHIPS

- American Ornithological Society
- Association of Field Ornithologists
- The Wildlife Society
- Texas Chapter of The Wildlife Society

SPECIAL TRAINING AND PERMITS

- USGS Bird Banding Lab Master Bander Permit holder (2021-present)
- Federal and State Scientific Collection permit holder (2019-present)
- British Trust for Ornithology ringing license ('C endorsement' for mist netting passerines and a 'scientific C' license for ringing adult and nestling passerines at the nestbox).
- Institutional Animal Care and Use Committee training, University of Nebraska-Lincoln, NE, USA, Virginia Tech, VA, USA, and The University of Texas at San Antonio, TX, USA
- Institutional Review Board training, The University of Texas at San Antonio, TX, USA
- Home Office accredited Animals in Scientific Procedures training modules 1, 2, 3 and 5, UK
- Training in molecular genetic techniques at The NERC Biomolecular Analysis Facility, Sheffield, UK (particularly fluorescent microsatellite genotyping)
- Valid and clean driver's license (both UK and USA)

COMPUTER SOFTWARE

- GIS/remote sensing: ArcGIS 9.3 and 10.x, ArcPro
- Statistics: SAS, Minitab, R
- Graphing: SigmaPlot
- Demographics: programs PRESENCE, MARK, and SURVIV
- Genetics: Genemapper, CERVIS, Colony
- Social Science: DeDoose