

ELIZABETH GALLANT KING

Odum School of Ecology and
Warnell School of Forestry & Natural Resources
University of Georgia
140 E. Green St., Athens GA 30602 U.S.A.

egking@uga.edu
tel: 352-262-3378
kinglab.uga.edu

EDUCATION

Ph.D.	University of California, Davis	Population Biology	2004
M.S.	University of California, Davis	Population Biology	1998
B.A.	Reed College	Biology	1993

AREAS OF EXPERTISE

Ecological Restoration and Resilience, Plant Community Ecology, Rangeland Ecology, Ecohydrology, Social-Ecological Systems Science, Livelihood Adaptation, Common Pool Resources.

PROFESSIONAL EXPERIENCE

Associate Professor, Odum School of Ecology and
Warnell School of Forestry & Natural Resources, University of Georgia 2019-present

Assistant Professor, Odum School of Ecology and
Warnell School of Forestry & Natural Resources, University of Georgia 2012-2019

Research, teaching and administrative activities in 3 units: Ecology, Forestry & Natural Resources, and Integrative Conservation.

Lecturer, Dept. of Ecology & Evolutionary Biology, Princeton University 2008 - 2011

Postdoctoral Research Associate,
Princeton Institute for Int'l & Regional Studies 2006 - 2008

Water, Savannas, and Society Initiative: Multi-disciplinary research, graduate and undergraduate teaching and training program at Princeton and in Kenya.

Consultant, Rehabilitation of Arid Environments (RAE) Trust, Kenya 2005

Restoration Ecologist, Land Tenure Analyst
UNDP Project: Land tenure reform and rehabilitation in Baringo Lowlands, Kenya.

NSF Graduate Research Fellow, University of California, Davis 1999-2004

Aloe Shrubs as Facilitators and their Use in Rangeland Restoration
Study of facilitation around naturally occurring *Aloe* shrubs in a degraded rangeland; *Aloe* effects on planted grasses; and plant community responses to transplanted *Aloe* shrubs.

Fulbright Scholar, National Museums of Kenya

1994-1995

Ecology and Conservation Status of *Aloe francombei*

Distribution, demography, and phytochemical taxonomy of newly discovered *Aloe* species.

RESEARCH GRANTS

National Science Foundation – Innovative and Inclusive Wildland Fire Science

Co-PI, 2024-2026, Convergent Pyroscapes: Catalyzing Innovative and Inclusive Wildland Fire Science and Education in Western North Carolina (\$196,799)

U.S. Department Of Commerce

Co-PI, 2024–2027, Oyster Reef Restoration on Sapelo Island for Coastal Hazard Protection and Multiple Benefits (\$2,828,219)

U.S. Department of Army

Co-PI, 2024-2026. Expanding research Test Beds for nature-based Solutions in the Southeastern U.S. (\$5,484,643)

Walton Family Foundation

Co-PI, 2023-2025, Network for Engineering with Nature (NEWN) (\$1,394,799)

USAID

Co-PI, 2022-2027 Higher Education for Conservation (HEC) (\$4,999,053)

U.S. Department of Army

Co-PI, 2020-2026. Engineering with Nature® Initiative. (\$2,500,000)

National Science Foundation - Innovations in Graduate Education

Co-PI, 2019-2025, Applying creative inquiry to enhance imaginative and collaborative capacity in STEM (\$499,835)

National Oceanic and Atmospheric Administration (NOAA)/Georgia Sea Grant

PI, 2022-2024, Conserving ecologically and culturally important plants in Georgia's coastal ecosystems (\$225,921)

USDA AFRI – Research and Extension Experiences for Undergraduates (REEU)

PI (Sub-Award), 2023, Developing Pathways Internship: Sweetgrass restoration on Jekyll Island, GA (\$11,390)

University of Georgia – Teaming for Interdisciplinary Research Pre-Seed Grant Award

Co-PI, 2023, Creative Community Research Partnerships (\$4,500)

USDA National Institute of Food and Agriculture – McIntire-Stennis Capacity Grant

Co-PI, 2019-2023, Spatially explicit models to enhance species management in changing landscapes (\$200,000)

NOAA/Georgia Department of Natural Resources - Coastal Incentive Grant

PI, 2017-2021, Multiple Stressors and the Future of Barrier Island Forests (\$112,096)
Co-PIs: Hannah Morris, Ben Carswell, Yank Moore

University of Georgia - Faculty Research Grant

PI, 2017-2018, Land use legacies, novel disturbance regimes, and the future of coastal forests (\$9,506)

Jekyll Island Authority – Research Grant

PI, 2016-2020, Environmental Stressors and Priority Plant Communities on Jekyll Island, Georgia (\$150,000)

R. Howard Dobbs, Jr. Foundation – Research Grant

Co-PI, 2016-2108, Tools to Promote Cost-effective Conservation of Forested Wetlands in Georgia Balancing Economic Returns to Landowners with the Preservation of Multiple Ecosystem Services in Georgia's Coastal Zone (\$158,956)

USDA National Institute of Food and Agriculture – McIntire-Stennis Capacity Grant

PI, 2015-2020, Coastal Ecosystem Restoration, Resilience, and Response to Sea Level Rise, and Implications for Ecosystem Service Management Priorities on the Georgia Coast (\$201,040)

National Science Foundation - Coupled Natural-Human Systems

PI, 2013-2017, Pastoralism in Transition: Linking Localized Interactions and System Behavior to Evaluate Social- Ecological Vulnerability (\$249,525)

NOAA/Georgia Department of Natural Resources - Coastal Incentive Grant

Co-PI, 2013-2015, Jekyll Island Marsh Fragments: Assessing ecological function and health for strategic restoration planning (\$46,098)

PUBLICATIONS

In review:

German, L, J. Abrams, C. Struthers, S. Pictou (Mi'kmaw), B. Woodson, S. Kumar, T. Cabe (Kituwah/Cherokee), R. Merino, and E.G. King. (*invited; in review*) Conservation Re-Imagined: Towards Anti-Oppressive Futures. *PNAS*.

Roulston, K., K.O. Acheampong, M. Callahan, E.G. King, and N. Nibbelink. (*in review*) Producing trustworthiness in studying what works in heterodox curricula interventions. *Qualitative Inquiry*.

Pratt, E., E. King, J. Lockwood, E. Pienaar. (*in review*) The challenge of attaining conservation outcomes in a complex system: Agency personnel's and academic researchers' perspectives on the wicked problem of the exotic pet trade. *NeoBiota*

Unks, R.R., E.G. King, N.P. Wachira, J. Hepinstall-Cymerman, and F.I. Isbell. (*in revision*) Mixed-methods analysis of landscape vegetation change in mobility-constrained pastoral land in Laikipia Kenya. *Environmental Research Letters*.

Forthcoming:

Meissner, S. and E.G. King. (*accepted*). Conservation of Maritime Grasslands at the Intersection of Soil, Succession, and Management. *Tipularia: Journal of the Georgia Botanical Society*. [*editor-reviewed*]

Lear, K.M., C.T. Moore, E.G. King, E.G. Ruiz, J.J.F. Maldonado, C.I. Sanchez, A.C. Aguilera, T.J. Prebyl, J. Hepinstall-Cymerman. 2004. Plant and landscape factors influencing agave flower visitation

rate by nectarivorous bats and implications for management for an endangered species. *Ecology and Evolution* 4(3), e11125. doi:<https://doi.org/10.1002/ece3.11125>.

Stonecypher, E.T., L.S. Lee, S.M. Weir, E.G. King, C.E. Davis, S.L. Lance. 2024. Efficacy and Costs of Restoring Wetland Breeding Habitat for Imperiled Amphibians in the Southeastern U.S. *Wetlands* 44: 65. <https://doi.org/10.1007/s13157-024-01821-8>.

Sharma, R., M.R. Levi, M.C. Ricker, A. Thompson, E.G. King, K. Robertson. 2024. Scaling of soil organic carbon in space and time in the Southern Coastal Plain, USA. *Science of the Total Environment* 933: 173060. <https://doi.org/10.1016/j.scitotenv.2024.173060>

Pratt, E., J. Lockwood, E.G. King, E. Pienaar. 2023. Identifying inconsistencies in exotic pet regulations that perpetuate trade in risky species. *Conservation Biology*, e14189. <https://doi.org/10.1111/cobi.14189>

Volpato, G. and E.G. King. 2023. Tracking changes in social-ecological entanglements: Beekeeping among the Maa-speaking pastoralists of Laikipia, Kenya. *Regional Environmental Change* 23(4): <https://doi.org/10.1007/s10113-023-02133-z>

Sarmiento, F. O., A. Haller, C. Marchant, M. Yoshida, D. Leigh, K. Woosnam, D. Porinchu, K. Gandhi, E. King, M. Pistone, A. Kavoori, J. Calabria, I. Alcántara-Ayala, R. Chávez, A. Gunya, A. Yépez, S. Lee and J. Reap. 2023. 4D global montology: toward convergent and transdisciplinary mountain sciences across time and space. *Pirineos, Journal of Mountain Ecology* 178: e075.

Benson, D., E.G. King, and J. O'Brien. 2022. Forest dynamics models for conservation, restoration, and management of small forests. *Forests* 13, 515. <https://doi.org/10.3390/f13040515>.

Heisel, S., E.G. King, F. Lekanta, F. Lemoile, C. Ryan, I. Lemer keto, S. Sundaresan, E. Malsbury, and B. Bruyere. 2021. Knowledge perceptions, agency, and motivations regarding wildlife conservation in Samburu, Kenya. *Biological Conservation* 262: 109305.

Loyd, D.D., E.G. King, J.J. Thompson. 2021. Goats in schools: Parental attitudes and perceived benefits. *Anthrozoös* 34:1, 139-155. [listed as 2020 publication last year]

King, E. G., Nelson, D. R., & McGreevy, J. R. 2019. Advancing the integration of ecosystem services and livelihood adaptation. *Environmental Research Letters* 14(12): 124057.

King, E. G. and N. Nibbelink. 2019. Boundary-crossing challenges in graduate training for coupled human-natural systems research. in S. G. Perz, editor. *Collaboration Across Boundaries for Interdisciplinary Environmental Systems Science: Experiences Around the World*. Palgrave Macmillan, New York, NY. pp. 227-265.

Unks, R.R. , E. G. King, L.A. German, N.P. Wachira, D.R. Nelson. 2019. Unevenness in scale mismatches: institutional change, pastoralist livelihoods, and herding ecology in Laikipia, Kenya. *Geoforum* 99: 74-87.

Unks, R.R. , E.G. King, D.R. Nelson, N.P. Wachira, L.A. German. 2019. Constraints, multiple stressors, and stratified adaptation: Pastoralist livelihood vulnerability in a semi-arid wildlife conservation context in Central Kenya. *Global Environmental Change* 54:124-134.

- Volpato, G. and E.G. King. 2018. Livelihood adaptation to climatic, ecological, and social transitions: Camel adoption among the Laikipia Maasai of Kenya. *Regional Environmental Change* 19(3): 849-865.
- MacDonald, E.A. and E.G. King. 2018. Novel ecosystems: a bridging concept for the consilience of cultural landscape conservation and ecological restoration. *Landscape and Urban Planning* 177: 148-159.
- King, E.G., R. Unks, L. German. 2018. Constraints and capacities for novel livelihood adaptation: lessons from agricultural adoption in an African dryland pastoralist system. *Regional Environmental Change* 18:1403–1410.
- German, L., E. King, R. Unks, N.P. Wachira. 2017. This side of subdivision: Individualization and collectivization dynamics in a pastoralist group ranch held under collective title. *Journal of Arid Environments* 144: 139-155.
- German, L., R. Unks, E.G. King. 2017. Green appropriations through shifting contours of authority and property on a pastoralist commons. *Journal of Peasant Studies* 44(3): 631-657. DOI: 10.1080/03066150.2016.1176562.
- King, E.G. and T.E. Franz. 2016. Combining ecohydrologic and transition probability-based modeling to simulate vegetation dynamics in a semi-arid rangeland. *Ecological Modelling* 329: 41-63.
- De Jesus Crespo, R., D. Newsom, E. King, C. Pringle. 2016. Shade tree cover criteria for non-point source pollution control in the Rainforest Alliance coffee certification program: a snapshot assessment of Costa Rica's Tarrazú coffee region. *Ecological Indicators* 66:47-54.
- King, E.G., J. Cavender-Bares, P. Balvanera, T. Mwampamba, S. Polasky. 2015. Tradeoffs in ecosystem services and varying stakeholder preferences: Evaluating conflicts, obstacles, and opportunities. *Ecology and Society [Special Feature - Ecosystem service trade-offs across global contexts and scales]*: 20(3): 25.
- Cavender-Bares, J., P. Balvanera, E. King, S. Polasky. 2015. Ecosystem service tradeoffs across global contexts and scales. *Ecology and Society. [Special Feature - Ecosystem service trade-offs across global contexts and scales]* 20(1): 22.
- Cavender-Bares, J., S. Polasky, E. King, P. Balvanera. 2015. A sustainability framework for assessing trade-offs in ecosystem services. *Ecology and Society. [Special Feature - Ecosystem service trade-offs across global contexts and scales]* 20(1): 17.
- Kaye-Zwiebel, E. and E.G. King. 2014. Kenyan pastoralist societies in transition: varying perceptions of the value of ecosystem services. *Ecology and Society Special Feature - Ecosystem service trade-offs across global contexts and scales.* 19(3):17.
- Good, S.P., K. Soderberg, K. Guan, E.G. King, T. Scanlon, K.K. Caylor. 2014. $\delta^2\text{H}$ Isotopic flux partitioning of evapotranspiration over a grass field following a water pulse and subsequent dry down. *Water Resources Research* 50(2):1410-1432.
- Cavender-Bares, J., J.G. Heffernan, E.G. King, S. Polasky, P. Balvanera, W.C. Clark, K.N. Lee. 2013. Sustainability and Biodiversity. In: S.A. Levin, ed. *Encyclopedia of Biodiversity*, 2nd Edition. Academic Press, Waltham, MA. Volume 7, pp. 71-84.

- Franz, T.E., M. Zreda, E.G. King. 2013. Application of Cosmic-ray Neutron Probes to Long-term Monitoring of Soil Moisture in African Drylands. *Joint IAEA and FAO Programme Conference Proceedings*, 23-27 July 2012, Vienna, Austria. IAEA-CN-191.
- King, E.G., F. O'Donnell, F., Caylor, K.K. 2012. Reframing hydrology education to solve coupled human and environmental problems. *Hydrology and Earth Systems Sciences*. 16: 4023-4031.
- Wang, L., P. D'Odorico, J.P. Evans, D. Eldridge, M.F. McCabe, K.K. Caylor, E.G. King. 2012. Dryland ecohydrology and climate change: critical issues and technical advances. *Hydrology and Earth System Sciences* 16: 2585-2603, doi:10.5194/hess-16-2585-2012.
- Soderberg, K., S.P. Good, M. O'Connor, E.G. King, K.K. Caylor. 2012. Evapotranspiration partitioning in a semi-arid African savanna using stable isotopes of water. *Geophysical Research Abstracts (EGU General Assembly, 22-27 April, 2012, Vienna, Austria)*14: EGU2012-12496.
- King, E.G., T.E. Franz, K.K. Caylor. 2012. Ecohydrological interactions in a degraded two-phase mosaic dryland: implications for regime shifts, resilience, and restoration. *Ecohydrology* 5(6): 733-745. DOI: 10.1002/eco.260
- Franz, T.E., K.K. Caylor, E.G. King, J.M. Nordbotten, M.A. Celia, I. Rodriguez-Iturbe. 2012. An ecohydrological approach to predicting hillslope scale vegetation patterns in dryland ecosystems. *Water Resources Research* 48, W01515.
- Franz, T.E., E.G. King, K.K. Caylor, D.A. Robinson. 2011. Coupling vegetation organization patterns to soil resource heterogeneity in a central Kenyan dryland using geophysical imagery. *Water Resources Research*, 47:W07531.
- King, E.G. and K.K. Caylor. 2011. Ecohydrology in practice: strengths, conveniences, and opportunities. *Ecohydrology* 4: 608–612.
- King, E.G. and T.E. Franz. 2011 Spread of succulent patches in degraded Kenyan drylands: ecohydrological dynamics *Proceedings of the IXth International Rangelands Congress*, 6th - 11th April 2011, Rosario, Argentina.
- King, E.G. and K.K. Caylor. 2010. Herbivores and mutualistic ants interact to modify tree photosynthesis. *New Phytologist* 187(1): 17-21.
- King, E.G. and S.G. Whisenant. 2009. Thresholds in ecological and linked socio-ecological systems: application to restoration. In: K. Suding and R.J. Hobbs, eds. *New Models for Ecosystem Dynamics and Restoration*. Washington DC, Island Press.
- King, E.G. 2008. The dynamics of *Sansevieria intermedia* in degraded Kenyan drylands: regime shift or resilience mechanism? *Proceedings of the VIIIth International Rangelands Congress*, 29 June - 5 July 2008, Hohhot, China.
- King, E.G. and M.L. Stanton. 2008. Facilitative effects of *Aloe* shrubs on grass establishment, growth, and reproduction in degraded Kenyan rangelands: implications for restoration. *Restoration Ecology* 16(3): 464-474.
- King, E.G. 2008. Facilitative effects of naturally occurring *Aloe secundiflora* shrubs degraded semi-arid rangelands in Kenya. *Journal of Arid Environments* 72:358-369.

- King, E.G. and R.J. Hobbs. 2006. Identifying linkages among conceptual models of ecosystem degradation and restoration: towards an integrative framework. *Restoration Ecology* 14(3): 369-378.
- King, E.G. 2003. Planted aloes may help heal overgrazed rangelands and local economy in Kenya. *Ecological Restoration* 21(1): 52-53.
- King, E.G. 2003. *Aloe secundiflora* shrubs as facilitators in Kenyan rangelands, and their potential use in restoration. *Proceedings of the VIIth International Rangelands Congress*, 26 July - 1 August 2003, Durban, South Africa. pp. 1210-1212.
- Kaplan, R.H. and E.G. King. 1997. Egg size is a developmentally plastic trait: Evidence from long term studies in the frog *Bombina orientalis*. *Herpetologica* 53(2): 149-165.
- King, E.G. and R.H. Kaplan. 1997. Estimating ovum size in amphibians: egg size increases differentially among species during early development. *Journal of Herpetology* 31(2): 299-302.

RECENT CONFERENCE PRESENTATIONS

◊ *Invited; presenter underlined for 2024 presentations*

- Norrington Jr., P., King, E., Loleme, J., Abrams, J., Bowman, T., Farid, R., . . . Robertson, B. (2024). Soft Skills Training Curriculum for Liberia's Forest Sector Workforce. In *International Union of Forestry Research Organizations World Congress. Stockholm, Sweden*
- Kaushik, A., D. Biswas, R. Sharma, E.G. King., S. Babu. 2024. Spatial avoidance does not always result in harmony: Seasonal distribution for Equus kiang in the Trans-Himalayas, India. *American Society for Photogrammetry and Remote Sensing Mid-South Conference*.
- Meissner, S.R. and E.G. King. 2024. Examination of soils and vegetation communities in a successional coastal grassland. *Southeastern Estuarine Research Symposium, 21-23 March 2024, Savannah GA*
- Meissner, S.R. and E.G. King. 2024. Examination of soils and vegetation communities in a successional coastal grassland. *Warnell Graduate Student Symposium, 20-22 February 2024, Athens GA*.
- ◊ King, E.G. 2024. Cultivating Connections: Research Stories Weaving Ecology, Conservation, and Culture Together. *Georgia Native Plant Symposium. 15 February 2024, Athens GA*.
- Loleme, J., P. Norrington Jr., M. Kortimai, J. Fromayan, A. Mulbah, R. Benson, A. Lymas, C. Machalaba, L. Maparyan, R. Farid, T. Bowman, W. Tadesse, B. Robertson, J. Abrams, K. Irwin, and E.G. King. 2024. Soft skills training for the future of forests in Liberia. *Integrative Conservation Conference, 16-17 February 2024, Athens GA*.
- Volpato, G. and E.G. King 2023. Multispecies entanglements and livelihood adaptation among beekeeping pastoralists in Laikipia, Kenya. *Adaptation Futures Conference, 2-6 October 2023, Montreal, Canada*.

- Blackburn, C., T. Janosik, D. Quinn, J. Colbert, and E.G. King. 2023. Monitoring the success of *Muhlenbergia sericea* restoration plots on Jekyll Island, GA. *State of the Georgia Coast Conference, Savannah GA, September 22, 2023*.
- Meissner, S., E.G. King, J.P. Schmidt. 2023. The present, the absent, and the barely hanging on: Modelling habitat suitability in a dynamic successional system. *Ecological Society of America, 7 August 2023, Portland, Oregon*.
- King, E.G., H.R. Morris, D. Benson, J. Colbert, N. Nibbelink. 2023. Elevational shifts in coastal forest tree distributions: What can we infer about environmental drivers? *Ecological Society of America, 7 August 2023, Portland, Oregon*.
- Meissner, S. & King, E.G. 2023. Analysis of within-plant arthropod diversity in maritime grasslands. *Georgia Entomological Society annual meeting, 19-21 April 2023, Helen, GA*.
- ◊Sundaralingam, P, E.G. King, & M. Callahan. 2023. Creating the conditions for Creativity. *Torrance Festival of Ideas (international conference), 19 April 2023, Athens GA*
- Lyons, C. and E.G. King. 2023. Wildlife camera traps to understand animal responses to invasive species. *UGA Center for Undergraduate Research Opportunities (CURO) Symposium, 3 April 2023, Athens, GA*.
- King, E.G. & Callahan, M. 2022. Artists and the Arts in Environmental Problem-Solving. *Integrative Conservation Conference (virtual), 6 February 2022*.
- Benson, D., Moore, C., King, E., Nibbelink, N., & Morris, H. 2022. Engaging stakeholders in structured decision making for maritime live oak forest restoration. In *Integrative Conservation Conference (virtual), 6 February 2022*.
- ◊King, E.G. 2021. Multiple Environmental Stressors and the Future of Maritime Live Oak Forests: Seeking Knowledge, Planning Action. *Georgia Sea Grant Research Symposium (virtual), 11 May 2021*.
- Dunn, D., King, E., & Nibbelink, N. 2021. Multivariate analysis of native plant community and the effects of deer exclusion in a maritime forest. *Coastal and Estuarine Research Foundation 26th Biennial Conference (virtual), 02 Nov 2021*.
- Dunn, D., Moore, C., King, E., Nibbelink, N., & Morris, H. 2021. Structured decision-making for Maritime Live Oak forest restoration. *9th World Conference on Ecological Restoration (virtual), 21 Jun 2021*.
- Dunn, D., & King, E. 2021. Influence of deer browsing on invasive and native vegetation in a maritime forest. *Ecological Society of America Annual Meeting (virtual), 02 Aug 2021 [poster]*
- Sharma, K., Colbert, J., Hayes, C., & King, E. 2021. Butterfly migration along the Georgia coast and recommendations for optimal surveying. *Ecological Society of America Annual Meeting (virtual). 02 Aug 2021 [poster]*

- Sharma, K. and King, E. 2021. Migration of the Gulf Fritillary. In *Warnell Graduate Student Symposium, University of Georgia (virtual), 11 Feb 2021*.
Department
- [◊] King, E.G. 2020. Tools and methods for managing trade-offs. In Symposium: Understanding and managing food security – nature conservation trade-offs: Concepts and methods for decision-making. *4th International Global Food Security Conference. Dec 4-8, 2020. Montpellier, France/Online*.
- Henn, K., Gordon, J., Irwin, K., King, E., and Schelhas, J. 2020. Understanding urban tree values and attitudes of an historic African American neighborhood. *Society of American Foresters National Convention*. October 29-31, 2020. Virtual meeting.
- King, E.G. 2020. Maritime Live Oak Forest Research and Restoration. Georgia Coastal Research Council Gathering 2020. Brunswick, GA/Online.
- Dunn, D. Moore, C., E. King, N. Nibbelink, and H. Morris. 2020. Developing a decision-support tool for management alternatives to restore and conserve Maritime Live Oak forests. *Ecological Society of America Annual Meeting, Salt Lake City UT/Online*.
- Morris, H. and E. King. 2020. Islands of knowledge and knowledge of islands: Maritime live oak forests and ecological knowledge on the Georgia coast. *Ecological Society of America Annual Meeting, Salt Lake City UT/Online*.
- King, E., Morris, H. and Dunn, D. 2020. Positioning scientists as relevant and respectful partners in forest restoration. *Integrative Conservation Conference. Athens, GA, USA*.
- Dunn, D. and King, E. 2020. Developing a decision-support tool for management alternatives to restore and conserve Maritime Live Oak forests. *Integrative Conservation Conference. Athens, GA, USA*.
- Richardson K, King E, Nibbelink N, Dunn D, Morris H, Colbert J. 2020. Small mammals in the Maritime Live Oak forest. *Warnell Graduate Student Symposium. 31 Jan 2020 Athens, GA, USA*.
- King, E., Volpato, G., & German, L. 2019. Commodity frontiers and livelihood adaptation in a Kenyan pastoralist community: Implications for social cohesion and the commons. *17th Global Conference of the International Association for the Study of the Commons. Lima, Peru*.
- King, E., Moore, C., Dunn, D., Nibbelink, N., & Morris, H. 2019. Positioning scientists as relevant and respectful partners in forest restoration. *8th World Conference on Ecological Restoration. Cape Town, South Africa*.
- Dunn, D., & King, E. 2019. *Deer browsing, native vegetation, and camphor tree invasion on a Georgia barrier island. 8th World Conference on Ecological Restoration. Cape Town, South Africa. [poster]*
- Morris, H., & King, E. 2019. The “oak regeneration problem” in maritime live oak forests: The effect of herbivory, drought, and land use legacies on live oak seedlings in coastal Georgia. *8th World Conference on Ecological Restoration [poster]*

- Dunn, D., & King, E. 2019. Deer browsing, native vegetation, and camphor tree invasion on a Georgia barrier island. *Coastal Estuarine Research Foundation 25th Biennial Conference, Mobile, AL. [poster]*
- Dunn, D., Moore, C., King, E., Nibbelink, N., & Morris, H. 2019. Developing a decision-support tool for management alternatives to restore and conserve maritime live oak forests. *Coastal and Estuarine Research Foundation 25th Biennial Conference, Mobile, AL.*
- Morris, H., & King, E. 2019. Hurricanes and herbivory in maritime live oak forests. *Coastal Estuarine Research Foundation 25th Biennial Conference, Mobile, AL.*
- King, E.G. and N. Nibbelink. 2019. Interdisciplinary graduate training for addressing wicked problems. *Ecological Society of America Annual Meeting, Louisville, KY.*
- Morris, H., & King, E. 2019. Multiple stressors in maritime live oak forests: The effect of herbivory, drought, and land use legacies on *Quercus virginiana* and *Q. geminata* seedlings. *Ecological Society of America Annual Conference. Louisville, KY*
- Dunn, D., King, E., Moore, C., & O'Brien, J. 2019. Forest Dynamic Models and Decision-Making Tools for Conservation, Restoration, and Management of Small Forests. *Odum School of Ecology Graduate Student Symposium. University of Georgia, Athens, GA*
- Brock, S. & King, E. 2019. Human disturbance and soil instability in Driftmier Woods. *UGA CURO Research Symposium [Poster]*
- King, E.G. H. Morris, N. Nibbelink, C. Moore 2018. Environmental stressors in maritime live oak forests. *Georgia Coastal Research Colloquium, Savannah, GA, September 2018.*
- King, E.G. and H. Morris. 2018. Deer, hogs and the future of southeastern maritime live oak forests. *Georgia Department of Natural Resources – UGA Wildlife Research Meeting, Mansfield GA, August 2018.*
- ◊ King, E.G., G. Volpato, L. German. 2018. Interconnected livelihood adaptations in a Kenyan dryland pastoralist system. *Ecological Society of America Annual Meeting, New Orleans, LA, August 2018.*
- MacDonald, E. and E.G. King. 2018. Kintsugi: Reflections on broken landscapes, narrative, and the language of repair. *Council of Educators in Landscape Architecture Annual Conference, Blacksburg, VA, March 2018.*
- ◊ King, E.G. 2017. Bridging gaps between ecosystem services and sustainable livelihood adaptation. *United States Society for Ecological Economics. St. Paul, MN, June 2017.*
- King, E.G. and H. Morris. 2017. Oak regeneration in U.S. Atlantic maritime forests: One “problem,” multiple contexts. *Society for Ecological Restoration International Conference, Foz do Iguacu, Brazil, September 2017.*
- King, E. G., D.R. Nelson, J.R. McGreevy, G. Volpato, L. German, F. Isbell. 2017. Coupling ecosystem services and human adaptive capacities in the study of livelihood transformations. *Ecological Society of America Annual Meeting, Portland, OR, August 2017.*

- Lear, K.M., J. Hepinstall-Cymerman, E. King, L. German, J. Flores Maldonado. 2017. Conserving an Endangered Pollinator: Insights for Engaging Communities in “Bat-friendly” Agave Management in Northeast Mexico. *North American Symposium on Bat Research, Knoxville, TN, October 2017.*
- Lear, K.M., J. Hepinstall-Cymerman, E. King, L. German, C. Moore, M. Welch-Devine, J. Flores Maldonado. 2017. Conserving an Endangered Pollinator Through “Bat-friendly” Agave Management Programs in Northeast Mexico. *The Wildlife Society Annual Meeting, Albuquerque, NM, September 2017. [poster]*
- Lear, K.M., J. Hepinstall-Cymerman, E. King, L. German, C. Moore, M. Welch-Devine, J. Flores Maldonado. 2017. Conservation of Endangered Pollinators: Designing Community “Bat-friendly” Agave Management Programs in Northeast Mexico through Interdisciplinary Research. *Western Bat Working Group Meeting, Ft. Collins, CO, April 2017.*
- Lear, K.M., J. Hepinstall-Cymerman, E. King, L. German, J. Flores Maldonado. 2017. Bats, Agaves, and People: An Interdisciplinary Approach to Assessing Potential “Bat-friendly” Agave Management by Mexican Communities. *4th Annual Symposium on Integrative Conservation, University of Georgia, Athens, GA, February 2017.*

INVITED SEMINARS

- UGA College of Engineering Departmental Seminar, 11 September 2024. *Diversity in Nature and Diversity in the Workplace.* [Co authored with TaJuan Wilson].
- Society for Ecological Restoration Webinar, 24 September 2020. *Positioning scientists as relevant and respectful partners in restoration.*
- Invited Seminar and Workshop Facilitator: *Analyzing Tradeoffs in Ecosystem Services*, 28-30 March 2019. Invited to facilitate a workshop for International Institute for Environment and Development (IIED), held at Cambridge University, UK. In the three-day workshop, a group of 25 policymakers, NGO and ministry personnel, and resource managers, representing 8 African countries, learned and implemented the analytical approach outlined in (King et al 2015, *Ecology and Society*) to evaluate critical tradeoffs between expanding agricultural production and conserving forests in African countries.
- U.S. Society for Ecological Economics Webinar, 5 December 2018. *Advancing the Integration of Ecosystem Services and Livelihood Adaptation.*
- Georgia State University, 7 December 2018. *Capitalizing on Complexity in Restoration Ecology and Sustainability Science.*
- Odum School of Ecology, University of Georgia, 3 April 2018. *Ecological dynamics and livelihood adaptation in rapidly transforming social-ecological systems.*
- Odum School of Ecology 50/10 Symposium, University of Georgia, 15 January 2018. *Conservation Ecology.*
- North Carolina State University, 15 September 2016. *In search of sustainability: Ecological restoration and livelihood adaptation in Kenyan drylands.*

Portland State University, 12 February 2015. *Learning from Laikipia, Kenya: A social-ecological systems perspective on restoration, ecosystem services, and sustainability.*

Society for Conservation Biology Georgia Chapter, UGA, 24 April 2014. *African Pastoralist Systems: Restoration, Resilience, and Sustainability.*

Ostrom Workshop in Political Theory and Policy Analysis Colloquium, Indiana University, 10 March 2014. *Social-Ecological Transitions and Vulnerability in an African Pastoralist System.*

APERIO Lecture Series, University of Georgia, 23 October 2013. *African Pastoralism in Transition: Linked social and ecological dimensions of sustainability.*

Geography Colloquium, University of Georgia, 6 September 2013. *African Pastoralism in Transition: Linked social and ecological dimensions of sustainability.*

Johnstone Lecture: State Botanical Garden of Georgia & African Studies Institute, UGA, November 2012. *People and Plants: Aloes, Ecosystem Health, and Livelihoods in Kenya.*

Warnell School of Forestry & Natural Resources, UGA, 1 November 2012. *African Pastoralism in Transition: Linked Social and Ecological Dimensions of Sustainability.*

UNIVERSITY INSTRUCTION

University of Georgia:

Principles of Integrative Conservation I (theory), II (practicum)	[PhD]	2013-2024
Integrative Conservation Seminar	[PhD]	2018
Foundations of Restoration Ecology	[Upper BS/MS]	2016-2024
Principles of Ecology	[Upper BS]	2012-2017
Natural Resource Conservation	[Intro BS]	2013-2021
Scholarship and Practice of Resilience Studies	[PhD]	2015-2021
Skills for Collaborative Research	[Grad]	2022-2024

Princeton University:

Resilience & Sustainability in African Pastoralist Systems	[Upper BS]	2008 - 2011
Sustainability Science Distributed Graduate Seminar	[PhD]	2010
Water, Savannas and Society in Sub-Saharan Africa	[MS/PhD]	2007

ACADEMIC & PROFESSIONAL SERVICE

Executive Editorial Board, <i>Environmental Research Letters</i>	2021-present
External P&T Evaluator, Water Resources Research Center, Univ. of Hawai'i	2024
External P&T Evaluator, Human-Environment Systems Program, Boise State Univ.	2023
Editorial Board, <i>Environmental Research Letters</i> Reviews	2015-2021
Secretary, Ecological Society of America Rangeland Ecology Section	2019-2021
External P&T Evaluator, Water Resources Research Center, Univ. of Hawai'i	2020
External Dissertation Evaluator, University of Western Australia	2020

Advisory Board, NSF Innovation in Undergraduate STEM Education "Fostering Undergraduate Students' Disciplinary Learning and Water Literacy," University of Nebraska - Lincoln	2016-2019
National Science Foundation review panelist	2014, 2017
Past-Chair, Rangeland Ecology Section, Ecological Society of America	2014-2015
Governing Board member, Ecological Society of America	2013-2014
Chair, Rangeland Ecology Section, Ecological Society of America	2013-2014
Co-Organizer, UGA-NSF Open Video Conference on Sustainability Research	Sept. 2013
Vice-chair, Rangeland Ecology Section, Ecological Society of America	2012-2013
Guest Co-Editor, Special Issue of <i>Ecology and Society</i>	2013-2015

Manuscript Reviewer: (* reviews in 2024)

<i>Acta Oecologica</i>	<i>Human Ecology</i>
<i>African Journal of Range & Forage Science</i>	<i>Hydrological Processes</i>
<i>Agriculture Ecosystems & Environment</i>	<i>Journal of Applied Geography</i>
<i>Anthropocene</i>	<i>Journal of Arid Environments</i>
<i>Diversity & Distributions</i>	<i>Journal of Geophysical Research</i>
<i>Ecological Economics</i>	<i>Journal of Vegetation Science</i>
<i>Ecology & Society</i>	<i>Land Degradation & Development</i>
<i>Ecosystem Services</i>	<i>Oecologia</i>
<i>Ecosystems</i>	<i>Oikos</i>
<i>Environment Development & Sustainability</i>	<i>Rangeland Ecology & Management</i>
<i>Environmental Research Letters</i> *	<i>The Rangeland Journal</i>
<i>Frontiers in Ecology & Environment</i>	<i>Restoration Ecology</i>
<i>Functional Ecology</i>	<i>Scientia Agricola</i>
<i>Global Environmental Change</i> *	<i>Scientific Report</i>

Professional Organizations:

Coastal and Estuarine Research Foundation
Ecological Society of America
Grassland Society of Southern Africa
International Association for the Study of the Commons
International Society for Ecological Economics
Society for Conservation Biology
Society for Ecological Restoration
Society for Range Management