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Education

- University of Kentucky, Ph.D. Biology. In progress, Expected 2023 (Lexington, KY)
Qualifying Exam Completed December 2017 GPA: 3.86/4.0
- University of Arizona, M.Sc. Natural Resources - Wildlife Conservation and Management Emphasis, 2015. (Tucson, AZ) GPA: 4.0/4.0
- St. Lawrence University, B.S. Conservation Biology, cum laude and Honors in major, minor in Mathematics, 2010 (Canton, NY) GPA: 3.34/4.0

Certificates

- Cornell University. Professional Certification – Bioacoustic Analysis. 2019. (Ithaca, NY)
- University of Kentucky. Professional Certification – Applied Statistics. 2017. (Lexington, KY)
- James Cook University, Study abroad, 2009 (Queensland, Australia)

Publications

In-Prep and In-Revision

Kilanowski, A. L., D. Westneat, and C. W. Fox. Spatial sorting by dispersal produces correlated evolution of reproduction. IN PREP

Kilanowski, A. L., M. P. Srinivasan, and J. J. Krupa. Sage grouse on a lek: Role-playing activities illustrate how sexual and natural selection lead to evolution. *American Biology Teacher*. IN PREP

Peer- Reviewed

Kilanowski, A.L., and J.L. Koprowski. 2017. Female-biased sexual dimorphism: Ontogeny, seasonality, and fecundity of a chipmunk (*Tamias dorsalis*). *Journal of Mammalogy*. 98: 204-210.

Kilanowski, A.L., and J.L. Koprowski. 2016. Communal denning of cliff chipmunks (*Tamias dorsalis*). *Southwestern Naturalist*. 61: 248-261

Jessen, T.J., **A. L. Kilanowski**, R. N. Gwinn, M. J. Merrick, and J. L. Koprowski. 2016. *Microsciurus flaviventer* (Rodentia: Sciuridae). *Mammalian Species Account*. 48:59-65.

Kim, T., B. Spiesman, A. Buchanan, A. S. Hakes, S. Halpern, B.D. Inouye, **A.L. Kilanowski**, N. Kortessis, D.W. McNutt, A.C. Merwin, and N. Underwood. 2015. Selective manipulation of a non-dominant plant and its herbivores affects an old-field plant community. *Plant Ecology* 216:1029-1045.

Halpern, C.B., R. D. Huago, J.A. Antos, S. S. Kaas, and **A. L. Kilanowski**. 2012. Grassland restoration without fire: evidence from a tree removal experiment. *Ecological Applications* 22: 425-441.

Non-Peer Reviewed

Kilanowski, A.L., H.M. Moore, and A.M. Veals. 2015. Cooperation between grads and undergrads for a better field season: Tips for working together to promote a successful and positive work environment. *The Wildlife Society Newsletter*. May Issue. [PDF](#)

<http://wildlife.org/wp-content/uploads/2016/01/SDWG-News-Letter-May-2015.pdf>

Veals, A.M., **A.L. Kilanowski**, and L.J. Heffelfinger. 2014. Student Chapter Attendees: The University of Arizona. *The Wildlife Society Newsletter*. December Issue. [PDF](#)

Funding

Number of research grants applied for while at UK: 10, Number of grants received at UK: 5, 50% success rate

Research

2020	USDA Pre-doctoral Fellowship: Assessing density in the dark: Juvenile insect feeding vibrations as a cue for dispersal and consequences for landscape population dynamics.	\$179,181
2020	Department of Biology Morgan Fellowship: Consequences of spatial sorting on landscape population dynamics (<i>DECLINED</i>)	\$20,000
2017	Department of Biology Merit Fellowship: Effects of behavior phenotypes on dispersal behavior and metapopulation persistence	\$20,000
2017	University of Kentucky, Department of Biology Ribble Mini-Grant: Boldly going where no beetle has gone before: Linking personality to metapopulation persistence in bean beetles (<i>Callosobruchus maculatus</i>).	\$700
2016	Kentucky Society of Natural History: Water strider dispersal, personality, and population dynamics: Linking personality to metapopulation dynamics.	\$500
2015	Ribble Research Fellowship, Dept. of Biology, University of Kentucky: PhD Start-up fund	\$2,000
2013	American Society of Mammalogists: Effect of individual behavioral phenotypes on the exploration and settlement stages of natal dispersal.	\$1,440
2013	T&E, Inc (Albuquerque, NM): Settlement of cliff chipmunks (<i>Tamias dorsalis</i>) in fragmented and degraded forests of the Sky Islands: what can behavioral phenotypes tell us?	\$2,500

Travel

2019	Scherr Opportunity Fellowship, Dept. of Biology, University of Kentucky: Sound Analysis Workshop at Cornell University	\$1,150
2016	Ecological Society of America Student Chapter: Oral presentation at Ecological Society of America.	\$300
2016	Department of Biology, University of Kentucky: Oral presentation at Ecological Society of America.	\$500
2015	Graduate Student Professional Council, University of Arizona: Oral presentation at International Wildlife Management Congress	\$750
2015	Institute of the Environment, University of Arizona: Oral presentation at International Wildlife Management Congress	\$500
2015	Graduate Student Professional Council, University of Arizona: Oral presentation at 7th International Colloquium on Arboreal Squirrels	\$750
2014	Graduate Student Professional Council, University of Arizona: Poster presentation at Ecological Society of America	\$500
2014	Institute for the Environment, University of Arizona: Poster presentation at Ecological Society of America	\$500

Presentations

* denotes presenter

+ denotes undergraduate mentee

Invited Oral Presentations

2020	Kilanowski, A. L.* , D. Westneat, and C. W. Fox. Density-dependent dispersal and its impacts on reproductive traits in new colonies of a stored-product pest.	Symposium: "Farm to Fork: Linking Biology of Post-Harvest Insects to their Management". Entomological Society of America.
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Contributed Oral Presentations

- 2020 **Kilanowski, A. L.***, D. Westneat, and C. W. Fox. Density-dependent dispersal and its impacts on reproductive traits: Implications for spatially fragmented populations. Animal Behavior Society
- 2020 **Kilanowski, A. L.***, D. Westneat, and C. W. Fox. Density-dependent dispersal and its impacts on reproductive traits: Implications for spatially sorted metapopulations. Ecological Society of America
- 2016 **Kilanowski, A. L.*** and J. L. Koprowski. Female-Biased Size Dimorphism in the Cliff Chipmunk: Ontogeny, Seasonality, and Fecundity. Ecological Society of America
- 2015 **Kilanowski, A. L.*** and John L. Koprowski. Reverse sexual dimorphism, behavioral phenotypes, and female reproductive success: What can we learn from a fossorial, forest obligate in a fragmented landscape? International Wildlife Management Congress
- 2015 **Kilanowski, A. L.*** and John L. Koprowski. Cavity nest selection during juvenile dispersal: Are behavioral phenotypes more influential than natal habitat cues? 7th International Colloquium on Arboreal Squirrels

Contributed Poster Presentations

- 2019 **Kilanowski, A. L.***, D. Westneat, and C. W. Fox. Spatial sorting by sensitivity to patch quality also leads to spatial sorting of behavioral and life-history traits. Ecological Society of America
- 2019 **Kilanowski, A. L.***, D. Westneat, and C. W. Fox. Spatial sorting by sensitivity to patch quality also leads to spatial sorting of behavioral and life-history traits. Entomological Society of America
- 2014 **Kilanowski, A. L.*** and John L. Koprowski. Juvenile exploration strategy of cliff chipmunks (*Tamias dorsalis*) in fragmented and degraded forests: what can behavioral phenotypes tell us? Joint Annual Meeting of the AZ and NM Wildlife Societies
- 2014 **Kilanowski, A. L.*** and John L. Koprowski. Juvenile exploration strategy of cliff chipmunks (*Tamias dorsalis*) in fragmented and degraded forests: what can behavioral phenotypes tell us? The Wildlife Society
- 2014 **Kilanowski, A. L.*** and John L. Koprowski. Juvenile exploration strategy of cliff chipmunks (*Tamias dorsalis*) in fragmented and degraded forests: what can behavioral phenotypes tell us? American Society of Mammalogists
- 2014 **Kilanowski, A. L.*** and John L. Koprowski. Does personality affect the exploration stage of juvenile dispersal in a fossorial rodent (*Tamias dorsalis*)? Ecological Society of America
- 2012 **Kilanowski, A.L.*** Third and fourth order habitat selection of North American porcupines (*Erethizon dorsatum*) differs in winter and non-winter seasons. Ecological Society of America
- 2012 Kim, T.N., B.J. Spiesman, A.L. Buchanan, A.S. Hakes, S.L. Halpern, B.D. Inouye, **A. Kilanowski**, N. Kortessis, D.W. McNutt, and N. Underwood*. Selective Removal of insect herbivores from one plant species influences and old-field plant community. Ecological Society of America
- 2010 **A. Kilanowski*** and E. Barthelmeß. Behavioral Habitat Selection of the North American Porcupine (*Erethizon dorsatum*) St. Lawrence University Festival of Science

Undergraduate Mentee Oral Presentations

2020	Deeb, A. *+, Kilanowski, A. L. , Ritchey, J., and C. W. Fox. Contest vs scramble competition: a comparison of movement patterns of seed parasite larvae	National Conference of Undergraduate Research
2019	Deeb, A. *+, Kilanowski, A. L. , Ritchey, J., and C. W. Fox. Contest vs scramble competition: a comparison of movement patterns of seed parasite larvae	Ohio Valley Entomological Association
Undergraduate Mentee Poster Presentations		
2019	Kupper, A. *+, Kilanowski, A. L. , and C. W. Fox. Positive relationship between oviposition rate and time of day in a seed beetle.	University of Kentucky Undergraduate Student Research Showcase
2019	Khan, H.H. *+, Kilanowski, A. L. , and C. W. Fox. Dissimilarity of <i>C. maculatus</i> hybrids to parents in traits associated with scramble and contest competition	University of Kentucky Undergraduate Student Research Showcase
2019	Shields, F.T. *+, Kilanowski, A. L. , and C. W. Fox. Scramble vs contest competition: Effects on oviposition decisions in a bruchid beetle	University of Kentucky Undergraduate Student Research Showcase
2019	Farmer, M.A. *+, Kilanowski, A. L. , and C. W. Fox. Female body mass does not predict the distance dispersed in presence of competition	University of Kentucky Undergraduate Student Research Showcase
2019	Deeb, A. *+, Kilanowski, A. L. , Ritchey, J., and C. W. Fox. Contest vs scramble competition: a comparison of movement patterns of seed parasite larvae	Entomological Society of America
2018	Blanford, E.*+, Kilanowski, A. L. , Crowley, P. H., and C. W. Fox. Death by dating: behavioral trade-off between mate search and death-feigning based on food availability	National Conference on Undergraduate Research
2018	Blanford, E.*+, Kilanowski, A. L. , Crowley, P. H., and C. W. Fox. Death by dating: behavioral trade-off between mate search and death-feigning based on food availability	University of Kentucky Undergraduate Student Research Showcase
2018	Deeb, A. *+, Kilanowski, A. L. , Ritchey, J., and C. W. Fox. Contest vs scramble competition: a comparison of movement patterns of seed parasite larvae	National Conference on Undergraduate Research
2018	Deeb, A. *+, Kilanowski, A. L. , Ritchey, J., and C. W. Fox. Contest vs scramble competition: a comparison of movement patterns of seed parasite larvae	University of Kentucky Undergraduate Student Research Showcase
2017	Blanford, E.*+, Kilanowski, A. L. , and P. C. Crowley. Survival-reproduction trade-off using a bean beetle (<i>Callosobruchus maculatus</i>)	National Conference on Undergraduate Research
2017	Blanford, E.*+, Kilanowski, A. L. , and P. C. Crowley. Survival-reproduction trade-off using a bean beetle (<i>Callosobruchus maculatus</i>)	University of Kentucky Undergraduate Student Research Showcase
2014	Clark, K.E.*+ Kilanowski, A. L. , and J.L. Koprowski. Perceptual range of a fossorial rodent (<i>Tamias dorsalis</i>) in fragmented forests	North Carolina State University Undergraduate Research Symposium
Informal Oral Presentations		
2019	Kilanowski, A. L. Spatial sorting as a driver of among-patch diversity within metapopulations: How life-history traits correlated with dispersal alter population dynamics	4th Year Symposium, Dept. of Biology, University of Kentucky
2019	Kilanowski, A. L. Spatial sorting by sensitivity to patch quality also leads to spatial sorting of behavioral and life-history traits	EcoLunch, University of Kentucky

2016	Kilanowski, A. L. Linking behavioral phenotypes to metapopulation dynamics: theoretical and empirical investigations	EcoLunch, University of Kentucky
2016	Kilanowski, A. L. Female-Biased Size Dimorphism in the Cliff Chipmunk: Ontogeny, Seasonality, and Fecundity	EcoLunch, University of Kentucky
2015	Kilanowski, A. L. Individual behavioral phenotypes: Effects on dispersal and metapopulation dynamics	EcoLunch, University of Kentucky

Honors and Awards

- College of Arts and Sciences Outstanding TA Award (University of Kentucky, 2020)
- Daniel R. Reedy Quality Achievement Fellowship (University of Kentucky, 2015-2017)
- C. P. Patrick Reid Leadership Scholarship (University of Arizona, 2015)
- Runner-up Earthweek Graduate Research Poster Competition (University of Arizona, 2015)
- Arrington Memorial Scholarship (University of Arizona, 2014-15)
- Outstanding Public Service and Outreach Award (University of Arizona, 2014)
- Soil and Water Conservation Society of New York State Scholarship (2010)
- Pi Mu Epsilon, Mathematics Honor Society (2010)
- Omicron Delta Kappa, National Leadership Society (2009-2010)
- Bradley R. Evers Outstanding First Year Student Award (St. Lawrence University, 2007)

Teaching

Assistantships

2017-2020	Recitation for Evolution , University of Kentucky (Dr. Madhusudan Srinivasan) I adapted provided lectures for presentation to students, assisted students with completion of lab material, graded assignments, and attended weekly pre-lab skill development meetings. In spring 2019, I assisted in the design and implementation of a new lab activity focused on sexual selection.
2016	Lab for Ecology , University of Kentucky (Dr. Kausalya Shenoy) I adapted provided lectures for presentation to students, assisted students with completion of lab material, graded assignments, and attended weekly pre-lab skill development meetings.
2015	Lab for Intro Biology 1 , University of Kentucky (Dr. Lin Xiang) I adapted provided lectures for presentation to students, assisted students with completion of lab material, graded assignments, and attended weekly pre-lab skill development meetings.
2014	Natural Resources Measurements , University of Arizona (Dr. Robert Steidl) I primarily graded laboratory and homework assignments each week. As needed, I coordinated travel and equipment for field laboratory activities. I also assisted students with R during data analysis labs.

Undergraduate Mentoring

*395 course requires development, analysis, and presentation of an independent research project

*398 course requires development, research, and writing of literature review in independent topic

*Honors (H designation on course number) requires both a literature review and presentation

Summer 2013	Research Intern	Poster at North Carolina State University Undergraduate Research Symposium
Spring 2017	1 Bio395	1 Poster presentation at National Conference of Undergraduate Research

Spring 2018	2 Bio395	2 Poster presentations at National Conference of Undergraduate Research 2 Poster presentations at University of Kentucky Undergraduate Research Showcase
Fall 2018	2 Bio395	-----
Spring 2019	5 Bio395	1 Oral presentation at National Conference of Undergraduate Research 5 Poster presentations at University of Kentucky Undergraduate Research Showcase
Fall 2019	4 Bio395	1 Oral presentation at the Ohio Valley Entomological Association Annual Meeting
Spring 2020	1 Ent395 1 Bio395 1 Bio398 1 Bio398H 1 Bio395H	1 Oral presentation at National Conference of Undergraduate Research *University of Kentucky Showcase cancelled due to Covid-19
Fall 2021	1 Bio398	-----

Research Experience

- **Graduate Research Assistant, University of Arizona (Dr. John Koprowski):** A long-term monitoring program for the Mt. Graham red squirrel (*Tamiasciurus hudsonicus grahamensis*), an endangered subspecies of the North American red squirrel. (2012-15)
- **Research Assistant, Universität Regensburg (Dr. Peter Poschold):** I assisted undergraduates with a pilot study using an endangered butterfly species, *Colias palaeno*, where we tried to determine the population size and the habitat preference for egg deposition. Secondly, I assisted a PhD student by cataloguing and preserving native plants. Additionally, I reviewed manuscripts of non-native English speakers. (2012)
- **Research Technician, Florida State University (Dr. Nora Underwood):** I managed a team of undergraduate, graduates, and post-docs as part of a long-term experiment to examine how density interacts with herbivory to affect population dynamics in a noxious weed species, *Solanum carolinense*. Additionally, I conducted an independent research project examining induced resistance within ramets of a clonal plant. (2010-12)
- **Research Technician, Florida State University (Dr. Thomas Miller):** I assisted with data collection and management to test hypotheses about the evolution of competitive ability and niche partitioning using protozoa communities in pitcher plant leaves. (2011)
- **Volunteer, US Forest Service: Red Cockaded Woodpecker Monitoring and Translocation Program (Charles Hess, Apalachicola National Forest, Florida):** I assisted in data collection for a long-term project to monitor an endangered species, the red cockaded woodpecker, in a location with an abundant population. (2011)
- **Senior Honors Thesis, St. Lawrence University: Habitat Selection and Foraging of the North American Porcupine (Dr. Erika Barthelmess):** I designed and conducted two experiments (1) Behavioral Habitat Selection of the North American Porcupine (*Erethizon dorsatum*) and (2) Winter porcupine foraging in hemlock stands as a facilitator for white-tailed deer (*Odocoileus virginianus*) foraging. (2010)

- **Intern, University of Washington: Restoration of dry, montane meadows through prescribed fire (Dr. Charles Halpern, Willamette National Forest, Oregon):** I was part of a large field crew that collected data for a long-term experiment studying the restoration of mountain meadows through various burn regimes in an attempt to reduce conifer encroachment. (2009)
- **Volunteer, James Cook University: Building a better Cane Toad (*Bufo marianus*) trap project. (Alex Howard):** I dissected Cane toads in a laboratory and assisted with the installation of amphibian traps under the supervision of a research assistant to design a better trapping system for cane toads and assess the ecological impact of the invasive toad. (2009)
- **Intern, Boston University: Impacts of winter climate change on growing season plant nutrient uptake and productivity in northern forest ecosystems (Dr. Pamela Templer, Hubbard Brook Experimental Forest, New Hampshire):** I assisted a PhD student with data collection to examine the effect of decreased snowpack on the nutrient uptake of trees. (2008)

Professional Service

Manuscript Review (4 total)

- Journal of Applied Entomology
- Journal of Ethology
- Physiological Entomology

Membership in Professional Organizations

- Ecological Society of America
- Entomological Society of America
- Animal Behavior Society

Departmental

- President, Biology Graduate Student Association, University of Kentucky (2018-19)
- Co-Coordinator of EcoLunch, University of Kentucky (2017-18)
- Vice President, Biology Graduate Student Association, University of Kentucky (2016-17)
- Teatime Coordinator, Biology Graduate Student Association, University of Kentucky (2015-16)
- Member, Visiting Speaker Committee, University of Arizona (2015)
- President, Natural Resources Graduate Student Organization, University of Arizona (2014-15)
- Coordinator, Visiting Speaker, University of Arizona (2014)
- Committee Member, Earthweek, University of Arizona (2014)
- Co-Chair, Natural Resources Graduate Student Organization, University of Arizona (2013-14)
- Member, Visiting Speaker Committee, University of Arizona (2013)

Public Outreach

- Earth Day: Aquatic Insects as Water Health Indicators – Every April, I helped 100 3rd and 5th grade students use dip-nets and D-nets to capture aquatic insects from a stream. To complement their in-class lessons on organisms as environmental indicators, we identified our captured insects and discussed the health of their local stream, University of Kentucky (2016-18)
- Water Strider Physics: Walking on Water – As part of the Dept. of Biology's BioBonanza open house event, I designed a family-friendly activity to teach elementary students about surface tension and the insects that are adapted to survival on the water surface, University of Kentucky (2016-17)
- Mount Graham International Observatory's Bylas and San Carlos Native American Summer Youth Program– Introduce high school students to small mammal handling, radio telemetry, and orienteering, University of Arizona (2014)
- Conservation Café – a bi-weekly event at a local coffee shop that allows local researchers to present their research and then have an open discussion with attendees representing the public, University of Arizona (2013-14)