

# Jessica L. Burnett

Computational Ecology | Macroecology | Regime Shifts

## Education

### University of Nebraska-Lincoln in Lincoln, NE

Ph.D. (*expected* 2019) Natural Resource Sciences and Applied Ecology

### University of Florida in Gainesville, FL

M.Sc. (2015) Wildlife Ecology and Conservation

B.Sc. (2013) Wildlife Ecology and Conservation

## Peer-reviewed Publications

1. La Sorte, F.A., C.A. Lepczyk, **J.L. Burnett**, A. Hurlbert, M. Tingley, and B. Zuckerberg. (*revisions submitted*) Opportunities and challenges for Big Data ornithology. *The Condor*
2. Chuang, W.C., T. A. Garmestani, T. Eason, T.L. Spanbauer, H.B. Fried-Peterson, C. Roberts, S. Sundstrom, **J.L. Burnett**, D. G. Angeler, B. Chaffin, L. Gunderson, D. Twidwell, C. R. Allen (*accepted*) Quantitative approaches for assessing ecological and community resilience. *Journal of Environmental Management*.
3. **Burnett, J.L.**, K. L. Pope, A. Wong, C. R. Allen, D. M. Haak, B. J. Stephen, and D. R. Uden. (*accepted*) Thermal tolerance limits of the invasive Chinese mysterysnail *Bellamya chinensis* and implications for management“. *American Malacological Bulletin*
4. **Burnett, J.L.**, C. R. Allen, C. P. Roberts, M. Bomberger Brown, and M. P. Moulton. 2017. Eurasian Tree Sparrow (*Passer montanus*) range expansion in North America. *Biological Invasions* 19(1): 5-9 doi:10.1007/s10530-016-1273-4
5. **Burnett, J. L.** and K. E. Sieving. 2016. Songbird distress call as a detection enhancement method and application to Red-shouldered Hawks (*Buteo lineatus*). *Florida Field Naturalist* 44(4):157-168
6. C. R. Allen, H. E. Birge, S. L. Bartlett-Hunt, R. A. Bevans, **J. L. Burnett**, B. A. Cosens, X. Cai, A. S. Garmestani, I. Linkov, E. A. Scott, M. D. Solomon, and D. R. Uden. 2016. Avoiding decline: Fostering resilience and sustainability in midsize cities. *Sustainability* 8(9):844-868 doi:10.3390/su8090844
7. **Burnett, J.L.** and M. P. Moulton. 2015. Recent trends in House Sparrow (*Passer domesticus*) distribution and abundance in Gainesville, Alachua County, Florida. *Florida Field Naturalist* 43(4):167-172

## Manuscripts under review

1. Donovan, V.M., **J.L. Burnett**, C.H. Bielski, H. E. Birge, R. Bevans, D. Twidwell, and C.R. Allen. (*submitted*) Patterns of woody encroachment from native tree plantings in a temperate grassland. *Journal of Applied Ecology*
2. Roberts, C.P., **J.L. Burnett**, V.M. Donovan, C. Wonkka, C.H. Bielski, C.R. Allen, A. Garmestani, D.G. Angeler, T. Eason, S. Sundstrom, D. Twidwell (*revisions submitted*) Early warnings for state transitions. *Rangeland Ecology and Management*

## Select Honors & Awards

2017-18	Fling Fellowship, University of Nebraska-Lincoln	<b>\$20,000</b>
2016-18	University of Nebraska Center for Great Plains Studies Graduate Fellow	
2016-	AAAS/Science Program for Excellence in Science Award 2016	2nd place, School of Natural Resources
	Elevator Speech Competition	<b>\$300</b>
2016-18	Resilience Alliance Young Scholar, The Resilience Alliance	
2015-18	Othmer Fellowship, University of Nebraska-Lincoln	<b>\$24,000</b>

## Grants

### *for research*

2013	IFAS Extension Internship for Undergraduate Research, University of Florida	<b>\$2,200</b>
2013	Ordway-Swisher Biological Station Undergraduate Research, University of Florida	<b>\$550</b>

### *for travel*

2017	Nelson Memorial Fellowship, University of Nebraska-Lincoln	<b>\$695</b>
2017	Kellogg Biological Station, Michigan State University and Big Ten Academic Alliance	<b>\$500</b>
2016	Nelson Memorial Fellowship, University of Nebraska-Lincoln	<b>\$900</b>
2016	Center for Great Plains Studies, University of Nebraska-Lincoln	<b>\$750</b>
2016	American Ornithologists' Union	<b>\$250</b>
2015	NSF Diversity Award, Southeastern Ecology and Evolution Conference	<b>\$650</b>
2015	Department of Wildlife Ecology and Conservation, University of Florida	<b>\$250</b>
2015	Graduate Student Council, University of Florida	<b>\$350</b>
2015	Office of Research University of Florida	<b>\$500</b>
2014	Department of Wildlife Ecology and Conservation, University of Florida	<b>\$250</b>
2013	Office of the Dean, Institute of Food and Agricultural Sciences, University of Florida	<b>\$750</b>

### *for community outreach*

2015	Outdoor Education Program, Reichert House, Gainesville Police Department, FL	<b>\$1,200</b>
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## Recent Service

### *at the University of Nebraska-Lincoln*

2018-	Natural Resources Diversity Initiative committee, University of Nebraska-Lincoln
2017	Key player in achieving institutional membership to the Association for Women in Science
2016-	Student Representative, Faculty Advisory Committee, School of Natural Resources
2016-	Student Representative, Digital Team, School of Natural Resources
2016	Organizer, Association for Women in Science Mentor Workshop
2016	Seminar Coordinator, School of Natural Resources
2015-16	Founder & President, Natural Resources Diversity Initiative student group
2015-16	Department Representative Representative, Graduate Student Association
2015	Founder, Affiliate Chapter of the Association for Women in Science

### *to the profession*

2016	Contributor to founding documents, Committee for Inclusive Ecology Section, ESA
2016-	Reviewer, Wilson Journal of Ornithology
2015-16	Liaison, Urban Ecosystem Ecology Section, ESA