

EDUCATION

2017	PhD. , Ecology and Evolutionary Biology, Princeton University
2014	M.A. , Ecology and Evolutionary Biology, Princeton University
2011	M.Sc. , Zoology, James Cook University
2009	B.S. , Biology, <i>cum laude</i> , Brandeis University MAJORS–Biology, Environmental Studies, MINOR–Chemistry

PRIMARY RESEARCH INTERESTS

Effects of war on biodiversity and conservation; Ecohydrology, especially the ecological impacts of variable and changing hydrological regimes on biodiversity; Tropical ecology, particularly of African savannas.

PROFESSIONAL POSITIONS

2017–present	Donnelley Postdoctoral Environmental Fellow, Yale University Yale Institute for Biospheric Studies and Dept. of Ecology and Evolutionary Biology
2011–2012	Research Assistant III in Restoration Ecology Archbold Biology Station; Venus, FL
2009	Southeast Michigan Ecological Restoration Assistant The Nature Conservancy; Tecumseh, MI

HONORS, AWARDS, AND FELLOWSHIPS

2016	Jacobus Award, Princeton University; Nominated One of two students department-nominated for top graduate thesis award at Princeton
2016	Harper Award, British Ecological Society; Runner-up For a highly commended paper by an early-career researcher in <i>Journal of Ecology</i>
2016	Elton Award, British Ecological Society; Short-listed For an outstanding paper by an early-career researcher in <i>Journal of Animal Ecology</i>
2012–2013	First Year Fellowship in Science and Engineering, Princeton University
2010–2011	Fulbright Scholar , U.S. Department of State Based at James Cook University, School of Marine and Tropical Biology; Townsville, AUS

RESEARCH FUNDING

2018–2019	<i>Gorongosa Water Project</i> —Gorongosa National Park, Mozambique
2015–2016	<i>NSF Doctoral Dissertation Improvement Grant</i>
2015	<i>Mary and Randall Hack Graduate Award for Water Research</i> —Princeton Environmental Institute
2014	<i>Society of Wetland Scientists Student Research Grant</i>
2014	<i>Society of Wetland Scientists South Atlantic Chapter Student Research Grant</i>
2014	<i>Idea Wild Research Equipment Grant</i>

PEER-REVIEWED PUBLICATIONS

**In-progress manuscripts listed below published articles*

1. **Daskin, J.H.** and Pringle, R.M. 2018. Warfare and wildlife declines in African protected areas. *Nature*. 553: 328-332.
 - Featured by >40 outlets, incl. *The Atlantic*, *NY Times*, *Economist*, *Associated Press*, *Smithsonian Magazine*, NPR and PBS.
2. Tucker, R.C., Rothermel, B.B., and **Daskin, J.H.** 2017. Preparing Florida pasture for grassland restoration: Seedling establishment after herbiciding and tilling. *Nat Areas J.* 37(1): 39–48.

3. **Daskin, J.H.** and Pringle, R.M. 2016. Modulation of the indirect effects of large herbivores by primary productivity: a global meta-analysis. *J Anim Ecol* 85(4): 857–868.
 - Short-listed for British Ecological Society's Elton Award.
 - Invited blog feature for the *J Anim Ecol*.
4. **Daskin, J.H.**, Stalmans, M., and Pringle, R.M. 2016. Ecological legacies of civil war: 35-year increase in savanna tree cover following wholesale large-mammal declines. *J Ecol* 1(4): 79–89.
 - Runner up for British Ecological Society's Harper Award.
 - Featured by *Science*.
 - Invited blog feature for *E.O. Wilson Biodiversity Foundation* and *National Geographic*.
5. Woodhams, D.C., Alford, R.A., Antwis, R.E., Archer, H., Becker, M.H., Belden, L.K., Bell, S.C., Bletz, M., **Daskin, J.H.** et al. 2015. Antifungal isolates database of amphibian skin-associated bacteria and function against emerging fungal pathogens: Ecological Archives E096–059. *Ecology* 96:595–595.
6. **Daskin, J.H.**, S. C. Bell, L. Schwarzkopf, and R. A. Alford. 2014. Cool temperatures reduce antifungal activity of symbiotic bacteria of threatened amphibians—Implications for disease management and patterns of decline. *PLoS ONE* 9:e100378.
 - Featured by the *Australian Broadcasting Corporation*.
7. Lu., M., Davidescu, M., Sukri, R.S., and **Daskin, J.H.** 2013. Termites facilitate root foraging by trees in a Bornean tropical forest. *J Trop Ecol* 29(6): 551–558.
8. **Daskin, J.H.** and Alford, R.A. 2012. Context-dependent symbioses and their potential roles in wildlife disease. *Proc Roy Soc B* 279(1733):1457–65.
9. **Daskin, J.H.**, Alford, R.A., & Puschendorf, R. 2011. Short-term exposure to warm microhabitats could explain amphibian persistence with *Batrachochytrium dendrobatidis*. *PLoS One*. 6(10): e26215.
10. Biancani, P.J., Carmichael, R.H., **Daskin, J.H.**, Burkhardt III, W., & Calci, K.R. 2011. Seasonal and spatial effects of wastewater effluent on growth, survival, and accumulation of microbial contaminants by oysters in Mobile Bay, Alabama. *Estuaries and coasts* 35(1): 121–131.
11. Kovacs, C.J., **Daskin, J.H.**, Patterson, H., & Carmichael, R. 2010. *Crassostrea virginica* shells record local variation in wastewater inputs to a coastal estuary. *Aquat Biol* 9:77–84.
12. **Daskin, J. H.**, Calci, K., Burkhardt, W. III & Carmichael, R. 2008. Use of N stable isotope and alternative microbial analysis to define wastewater influence in Mobile Bay, AL. *Mar Pollut Bull* 56:860–868.

Revised and resubmitted for second review

13. Pansu, J., Guyton, J.A., Potter, A.B., Atkins, J.L., **Daskin, J.H.**, et al. Trophic ecology of large herbivores in a reassembling African savanna ecosystem. In revision for resubmission to *J Ecol*.

In revision following review and invitation to resubmit

14. Atkins, J.L., Long, R.A., Pansu, J., **Daskin, J.H.**, Potter, A.B., Stalmans, M., Tarnita, C.E., and Pringle, R.M. Life in a landscape of fearlessness : cascading impacts of large-carnivore removal in an African savanna. In revision for resubmission to *Science*.
15. Guyton, J.A., Pansu, J., Kartzinel, T.R., Coverdale, T.C., Potter, A.B., **Daskin, J.H.**, and Pringle, R.M. Native ungulates confer biotic resistance to wetland woody-plant invasion: Refaunation as a tool for restoring ecosystem structure after wildlife declines. In revision for resubmission to *Proc Nat Acad Sci*.

Under review

16. **Daskin, J.H.**, Aires, F., and Staver, A.C. Determinants of tree cover in tropical floodplains: climate, fire, and hydrology. Under review at *Proc Nat Acad Sci*.

In preparation

17. **Daskin, J.H.**, Long, R.A., Atkins, J.L., Kartzinel, T.R., Potter, A.B., Lonneker, M., Eriksson, F.A., Buoncore, C., Getraer, A., and Pringle, R.M. Habitat selection by browsing antelopes in a low-risk landscape. In preparation for *Ecol Mon*.

SELECTED MEDIA COVERAGE OF RESEARCH

- "Human conflicts can devastate wildlife," *Nature*, Jan 2018
"When humans war, animals die," *The Atlantic*, Jan 2018
"War's other victims: animals," *The New York Times*, Jan 2018
"How war affects wildlife," *The Economist*, Jan 2018
"Wild animals revealed as hidden victims of African wars," *Times Live* (South Africa), Jan 2018
"Ecological legacy of a civil war," *Science*, Feb 2016
"Satellites, spies, and savanna science," *National Geographic blog*, Jan 2015
"Frogs' defence against deadly fungus chilled by cooler temps," *Australian Broadcasting Corporation*, Jul 2014

SELECTED CONFERENCE PRESENTATIONS AND ADDITIONAL PUBLICATIONS

Daskin, J.H. 2018. Tree cover determinants in the world's seasonally flooded tropical ecosystems. *Annual meeting of the Ecological Society of America*, New Orleans, USA.

Daskin, J.H. Habitat selection by three congeneric savanna antelope relative to fire- and termitaria-generated vegetation heterogeneity. 2016. *Annual meeting of the Ecological Society of Australia*, Perth, Australia.

Daskin, J.H. Primary productivity regulates herbivore-initiated indirect effect strengths. 2016. *Annual meeting of the Ecological Society of America*, Ft. Lauderdale, USA.

Sampson, D., **Daskin, J.**, Krahforst, C. 2010. How much of the Massachusetts Bays region is covered by impervious surface? Pp. 75–78. In: *State of the Bays*. Massachusetts Bays Program.

TEACHING

Assistant Instructor, Princeton University

- EEB 380 Ecology and Conservation of African Landscapes (taught in Kenya) Spring 2016
- EEB 321 Ecology: Species Interactions, Biodiversity and Society Fall 2014 & 2015
- ENV 201 Fundamentals of Environmental Studies Fall 2012

Statistical Tutor, Princeton University
Dept. of Ecology and Evolutionary Biology

Fall 2016–Spring 2017

Teaching Assistant, Brandeis University

Spring 2009

- BIOL 17 Conservation Biology

Guest lectures

- Brandeis University, Conservation Biology Fall 2014
- Yale University, Plant ecology Spring 2018
- Yale University, Observing the Earth From Space Spring 2018
- Yale University, General ecology (2 lectures) Fall 2018
- Yale University, Tropical ecology Fall 2018

RESEARCH STUDENTS SUPERVISED

Fredrik A. Eriksson	senior thesis student	Dartmouth University '16
Felicia Angus	research assistant	Princeton University '17
Jonathan Carcionne	senior thesis student	Princeton University '17
Amanda Chang	independent research intern	Princeton University '17
Bing Lin	research assistant	Princeton University '17
Courtney Buoncore	research assistant	Princeton University '18
Alec Getraer	research assistant	Princeton University '19

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OUTREACH AND PROFESSIONAL ACTIVITIES

Ad-hoc reviewer for *Anim Cons*, *Ann NY Acad Sci*, *Basic Appl Ecol*, *Conserv Biol*, *Environ Microbiol*, *Front Ecol Environ*, *Integrative Zool*, *Northeast Nat*, and *Oikos*.

Fellow of Saybrook College, Yale University, 2017–present.

Invited lecturer at Australian and New York high schools, including for English language learners.

Graduate representative to the Dept. of Ecology and Evolutionary Biology, Princeton University, 2014–2017

Occasional science blog-writer with entries for Gorongosa National Park, the E.O. Wilson Biodiversity Foundation, National Geographic, *J Anim Ecol*, and *J Ecol*.

International field work experience in Australia, Bahamas, Brunei, Mozambique, and Panama.

Intermediate Portuguese and Spanish, beginner Hebrew language skills.

Professional member at: Ecological Society of America, Australian–American Fulbright Alumni Association, & Fulbright Association