

## EDUCATION

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**PhD. candidate**, Ecology and Evolutionary Biology, Princeton University – September, 2012 - present

**M.A.**, Ecology and Evolutionary Biology, Princeton University – 2014

**M.Sc.**, Tropical Ecology and Conservation, James Cook University – 2011

**B.S.**, Biology, *cum laude*, Brandeis University – 2009

MAJORS – Biology, Environmental Studies, MINOR – Chemistry

## AWARDS, FELLOWSHIPS, AND RESEARCH FUNDING

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*Mary and Randall Hack '69 Graduate Award* – Princeton Environmental Institute, 2015

*NSF Doctoral Dissertation Improvement Grant*, 2015-2016

*Society of Wetland Scientists Student Research Grant*, 2014

*Society of Wetland Scientists South Atlantic Chapter Student Research Grant*, 2014

*Idea Wild Research Equipment Grant*, 2014

*First Year Fellowship in Science and Engineering* – Princeton University Graduate School and Department of Ecology and Evolutionary Biology, 2012-2013

*U.S. Fulbright Postgraduate Scholar* – U.S. Dept. of State, Australian-American Fulbright Commission, 2010-2011

*Attila Klein Environmental Conservation Award* – Brandeis University, 2009

*Dean's List* – Brandeis University, 2007 – 2009

*NSF Research Experience for Undergraduates*, Dauphin Island Sea Lab, Dauphin Island, Alabama, 2007

## RESEARCH AND PROFESSIONAL EXPERIENCE

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**PhD Student, Department of Ecology and Evolutionary Biology** September 2012 – present  
*Princeton University, Princeton, NJ*

- Thesis research on the causes and effects of war-driven mammal declines in African savannas.
- Field work in Mozambique's Gorongosa National Park.
- Additional field research on ecology of threatened temporary wetlands in Florida scrub at Archbold Biological Station.

### **Assistant Instructor**

*Princeton University, Princeton, NJ*

- Ecology: Species Interactions, Biodiversity and Society September 2014, 2015 – January 2015, 2016
- Fundamentals of Environmental Studies September 2012 – January 2013

**Research Assistant III, Restoration Ecology** March 2011 – May 2012

*Archbold Biological Station, Venus, FL*

- Designed and began long-term wetland restoration research, and managed data collection, entry and analysis for existing wet prairie and grassland restoration experiments.
- Conducted extensive invasive plant surveys, and assisted with amphibian and reptile sampling.
- Mentored restoration ecology and herpetology interns.

**Fulbright Postgraduate Scholar, MSc. Candidate** February 2010 – February 2011

*James Cook University, Townsville, QLD, Australia*

- Independent research on variation in protection afforded by symbiotic bacteria to disease-threatened amphibians.
- Assisted with amphibian mark-recapture, microbial ecology, and an undergraduate tropical ecology field course.

**Southeast Michigan Ecological Restoration Assistant** May-November 2009

*The Nature Conservancy, Tecumseh, MI*

- Removed invasive plants, collected and planted native vegetation, assisted with controlled burns, and lead interns in related tasks to restore wetlands, prairies, and forests.

**Intern**

Boston, MA, January-May 2009

*Commonwealth of Massachusetts, Massachusetts Bays Program*

- Co-authored sections of state reports on condition of Massachusetts and Cape Cod Bays.
- Developed bibliographic web site for Climate Ready Estuaries community-level climate change adaptation program.

**Teaching Assistant, Conservation Biology, Brandeis University, Waltham, MA,**

January-May 2009

- Worked closely with students improve their writing and research.
- Assisted with design of the course and maintenance of course website.

**Research Experience for Undergraduates Fellow, National Science Foundation,**

May-August 2007

*Dauphin Island Sea Lab – Dauphin Island, AL,*

- Completed field and lab research on a new monitoring protocol for tracking wastewater impacts on marine ecology and food-borne illnesses.
- Collaborated with scientists from the USFDA's Public Health Service.
- Assisted with other research projects including the Mobile Bay Manatee Sighting Network.

**PEER-REVIEWED PUBLICATIONS**

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**Daskin, J.H.** and Pringle, R.M. Modulation of the indirect effects of large herbivores by primary productivity: a global meta-analysis. In review.

**Daskin, J.H.**, Stalmans, M., and Pringle, R.M. Ecological legacies of civil war: 35-year increase in savanna tree cover following wholesale large-mammal declines. In press. *Journal of Ecology*.

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.

**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.

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.

**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.

**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.

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. *Estuar Coast* 35(1): 121-131.

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.

**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.

## CONFERENCE PRESENTATIONS AND OTHER PUBLICATIONS

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**Daskin, J.H.**, Stalmans, M., and Pringle, R.M. 2015. Response of savanna tree cover to the near-extirpation of large mammalian herbivores in Mozambique's Gorongosa National Park, 1977-2012. *Ecological Society of America*, Baltimore, USA.

**Daskin, J.H.**, Bell, S., & Alford, R.A. 2010. Does anti-chytrid activity of bacterial symbionts from threatened amphibians depend on ecological and environmental context? *Emerging Amphibian Diseases Conference*, Townsville, QLD, Australia.

Sampson, D., **Daskin, J.**, Krahfurst, 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.

Sampson, D., **Daskin, J.**, Krahfurst, C. 2010. How much of the Massachusetts Bays region is protected from development? Pp. 79-80. In: *State of the Bays*. Massachusetts Bays Program.

**Daskin, J.** 2009. Analysis of the viability of natural regeneration for restoration of tropical rainforests. *EarthTrain.org*.

## PROFESSIONAL MEMBERSHIPS

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Ecological Society of America  
Society for Conservation Biology  
Australian-American Fulbright Alumni Association  
Fulbright Association

## OUTREACH AND PROFESSIONAL ACTIVITIES

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Ad-hoc reviewer for *Basic and Applied Ecology*, *Conservation Biology*, *Environmental Microbiology*, and *Oikos*.

Graduate student body representative—Princeton University Department of Ecology and Evolutionary Biology, September 2014 - present

Science fair judge—Sebring, FL, January 2012 & Hopewell, NJ, March 2013.

Invited lecturer at Australian and New York high schools and Brandeis University to discuss amphibian conservation, wetland restoration, and the application of ecological research to environmental issues.

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

## SKILLS

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Experience with field identification and surveying of flora and fauna.

Knowledge of standard biological and chemical laboratory techniques and statistical analysis.

Proficient in use of ArcGIS, and R.

Intermediate knowledge of Portuguese, Spanish, and Hebrew.

Avid and able photographer.