

Joshua H. Daskin, Ph.D.

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EDUCATION

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

KEY SKILLS

- Building partnerships for science and its application.
- Donor recruitment and management.
- Leadership of cross-team and cross-organization collaborations.
- Conservation science research.
- Developing organizational strategy and priorities.
- Grant-writing.
- Presentations for public, partner, and technical audiences.

PROFESSIONAL EXPERIENCE

Director of Conservation <i>Archbold Biological Station; Venus, FL</i>	August 2021–present
Fish and Wildlife Biologist (departed at GS-12 level) <i>U.S. Fish and Wildlife Service; Headquarters, Division of Conservation and Classification; Falls Church, VA</i>	September 2019–July 2021

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Donnelley Postdoctoral Environmental Fellow August 2017–July 2019
Yale University Institute for Biospheric Studies and Dept. of Ecology and Evolutionary Biology; New Haven, CT

PhD. Candidate August 2012–August 2017
Princeton University, Dept. of Ecology and Evolutionary Biology; Princeton NJ

Research Assistant III, Restoration Ecology March 2011–May 2012
Archbold Biological Station; Venus, FL

Fulbright Scholar February 2010–January 2011
James Cook University and the U.S. Department of State; Townsville, QLD Australia

Southeast Michigan Ecological Restoration Assistant May 2009–October 2009
The Nature Conservancy, Tecumseh; MI

HONORS, AWARDS, AND FELLOWSHIPS

- **2024 Rising Star Outstanding Alum Award, James Cook University**
For extraordinary accomplishments of younger alumni; one per year.
- **2020 Annual evaluation performance award, US Fish and Wildlife Service**
For outstanding job performance in fiscal year 2020.
- **2020 Special Thanks for Achieving Results Award, US Fish and Wildlife Service**
For leading the development of the first public-facing Endangered Species Act foreign species workplan.
- **2017–2019 Donnelley Postdoctoral Environmental Fellow, Yale Institute for Biospheric Studies**
Independent support for postdoctoral salary and research.
- **2016 Jacobus Award, Princeton University; Nominated**
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 *Journal of Ecology*
- **2016 Elton Award, British Ecological Society; Short-listed**
For an outstanding paper by an early-career researcher in *Journal of Animal Ecology*
- **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 GRANTS AND PHILANTHROPIC GIFTS RECEIVED

2025–2027	Fire Management for Resilience; Avon Park Air Force Range Sentinel Landscape; U.S. Dept. of Defense Readiness for Environmental Protection and Integration Challenge	\$704,051
2024–2025	Florida Conservation Science Support; Bellini Better World Foundation	\$374,427
2024–2027	Building Resiliency of Longleaf Pine Ecosystems; National Fish & Wildlife Foundation	\$312,500
2023-2024	Conservation Leadership at Archbold Biological Station, Doris Duke Foundation	\$5,000
2023-2024	Donor gift; support for an Everglades Headwaters Partnership Coordinator	\$80,000

2023	Science for the FL Wildlife Corridor Campaign, 2023 addendum; Bellini Better World Foundation	\$419,841
2021	Science for the FL Wildlife Corridor Conservation Campaign; Bellini Better World Foundation	\$484,603
2018–2019	<i>Gorongosa Water Project</i> ; Gorongosa National Park, Mozambique	\$34,000
2015–2016	National Science Foundation Doctoral Dissertation Improvement Grant	\$15,144
2015	<i>Hack Graduate Award for Water Research</i> , Princeton Environmental Institute	\$8,000
2014	<i>Student Research Grant</i> , Society of Wetland Scientists	\$1,000
2014	<i>Student Research Grant</i> , Society of Wetland Scientists South Atlantic Chapter	\$800
2014	<i>Idea Wild Research Equipment Grant</i>	\$1,172
2012–2013	<i>First Year Fellowship in Science and Engineering</i> —Princeton University	\$32,000
2010–2011	<i>U.S. Postgraduate Fulbright Scholarship</i> —U.S. Department of State	\$35,000

PEER-REVIEWED PUBLICATIONS

1. David, AS, Barve, Sahas, Boughton, EH, **Daskin, J.H.**, Swain, HM. 2025. The ingredients for impactful science: Lessons from a biological field station. *Frontiers in Ecology and the Environment*.
2. **Daskin, J.H. et al.** 2024. Marshalling science for large landscape conservation. *Conservation Science and Practice*. 6(10):e13225.
3. Walker, H., Becker, J., Hutchinson, M., **Daskin, J.H.**, et al. 2023. Trait-based sensitivity of large mammals to a catastrophic tropical cyclone. *Nature*. 623(7988):757-764.
4. Becker, J.A., **Daskin, J.H.**, Pringle, R.M., and Long, R. 2023. How Body Size Shapes Behavior and Ecological Niche Differences in African Ungulates. *Bulletin of the Ecological Society of America*. 104(1), 1-6.
5. **Daskin, J.H.** et al. 2023. Allometry of behavior in a congeneric assemblage of African savanna antelopes. *Ecological Monographs*. 93(1): e1549.
6. **Daskin, J.H.** and Tilman, A.R. 2022. Alternative restocking strategy could reverse declines of a critically endangered sturgeon. *Environmental Conservation*. 49(1): 53–58.
7. Gaynor, K.M., **Daskin, J.H.**, Rich, L.N., and Brashares, J.S. 2021. Postwar wildlife recovery in an African savanna: Evaluating patterns and drivers of species occupancy and richness. *Animal conservation*. 24(3): 510–522.
Featured in *Science Daily*.
8. Guyton, J.A., Pansu, J., Hutchinson, M.C., Kartzinel, T.R., Potter, A.B., Coverdale, T.C., **Daskin, J.H.**, et al. 2020. Trophic rewilding revives biotic resistance to shrub invasion. *Nature Ecol Evol*. 4(5): 712–724.
9. **Daskin, J.H.**, Aires, F., and Staver, A.C. 2019. Determinants of tree cover in tropical floodplains: climate, fire, and hydrology. *Proc Roy Soc B*. 286(1914): 1–10.
10. Pringle, R.M. et al., incl. **Daskin, J.H.** 2019. Collapse of niche structure on islands with introduced top predators. *Nature*. 570(7759): 58–64.

11. 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. *J Ecol.* 107(3): 1355–1376.
12. 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. *Science.* 364(173): 173–177.
Featured by *The Atlantic*, *Wired*, *MSN*, and other news outlets.
13. **Daskin, J.H.** and Pringle, R.M. 2018. Warfare and wildlife declines in African protected areas. *Nature.* 553: 328–332.
Featured by >40 media outlets, incl. *The Atlantic*, *NY Times*, *Economist*, *AP*, *Smithsonian Magazine*, *NPR* and *PBS*.
14. 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.
15. **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*.
16. **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*.
17. 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.
18. **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*.
19. 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.
20. **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.
21. **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.
22. 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.
23. 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.
24. **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.

SELECTED ADDITIONAL PUBLICATIONS

1. Polsky, C. et al. 2024. *The Florida Wildlife Corridor and Climate Change: Managing Florida's Natural and Human Landscapes for Prosperity and Resilience*. Edited by **Daskin, J.H.** Archbold Biological Station. pp. 100.
2. **Daskin, J.H.** May 28, 2024. Let Florida burn. Editorial in *The Invading Sea*.
3. **Daskin, J.H.** December 20, 2022. What if we cared for the wildlife that lives out of sight? Editorial in the *Orlando Sentinel*.

4. **Daskin, J.H.** and Pringle, R.M. 2022. Ecological effects of warfare on wildlife. In *Animals in the international law of armed conflict*. Eds. Peters, A., Kolb, R., and De Hemptinne, J. Cambridge University Press. Cambridge, U.K.
5. **Daskin, J.H.** 2020. *Species status assessment for four Ponto-Caspian sturgeon*. US Fish and Wildlife Service. pp. 1–80.
6. **Daskin, J.H.** 2020. *Species status assessment for the Amur sturgeon (Acipenser schrenckii)*. US Fish and Wildlife Service. pp. 1–80.
7. Sampson, D., **Daskin, J.H.**, 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.
8. Sampson, D., **Daskin, J.H.**, Krahforst, C. 2010. How much of the Massachusetts Bays region is protected from development? pp. 79-80. In: *State of the Bays*. Massachusetts Bays Program.

SELECTED RESEARCH CONFERENCE RESENTATIONS

Daskin, J.H., Schmucker, J., Arbeau, D., and Swain, H.M. 2024. Collating local land use planning data to quantify the threat of development and opportunities for conservation of biodiversity and ecosystem function. *North American Congress of Conservation Biology*.

Daskin, J.H. et al. 2023. Convening science to conserve the Florida Wildlife Corridor, a large landscape conservation effort. *Species on the move*, Bonita Springs, FL

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, LA

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.

SELECTED CONSERVATION & OUTREACH PRESENTATIONS

Closing plenary—Florida Resilience Conference, Bonita Springs, FL	Sep 2024
Speaker—Tampa Bay Chamber of Commerce Emerging Leaders Catalyst Group, Tampa, FL	Jun 2024
Panelist—Florida Climate Week, online event	Oct 2024
Panelist—Florida Planning Conference, Tampa, FL	Sept 2024
Plenary speaker—Florida Resilience Conference, Bonita Springs, FL	Sept 2024
Speaker—Gadsden County Cattlemens' Association, online event	Aug 2024
Speaker—Highlands County Resiliency Summit, Lake Placid, FL	Aug 2024
Panelist—Coastal and Heartland National Estuary Program Climate Summit-Punta Gorda, FL	March 2024
Panelist—Florida Atlantic University Frontiers in Science Lecture Series-Boca Raton, FL	Feb 2024
Speaker—Public Seminar at Bok Tower Gardens, Lake Wales, FL	Nov 2023
Department seminar speaker—University of FL, Wildlife Ecology and Conservation	Oct 2023
Speaker—Coastal and Heartland National Estuary Program, Port Charlotte, FL	Aug 2023
Plenary speaker—2023 Board Meeting of The Nature Conservancy, FL chapter, Tallahassee, FL	Apr 2023
Plenary speaker—Imagine Solutions conference-Naples, FL	Mar 2023
Panelist—Everglades Coalition-Coral Springs, FL	Feb 2023

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Plenary speaker–Student Conference on Conservation Science–Bengaluru, India (remote)	Sept 2022
Central Florida Regional Planning Council Landowner Assistance Exposition	Jun 2022
Florida International University Institute of the Environment Climate Finance Forum	May 2022
Brandeis University, Conservation and Sustainable Development (graduate course)–Waltham, MA	Feb 2021
Keynote–Authors' forum for book <i>Animals in the international law of armed conflict</i>	Mar 2020
Yale University, General ecology (2 undergraduate lectures); Tropical Ecology (graduate course)	Fall 2018
Yale University, Plant ecology, (undergraduate course)	Spring 2018
Yale University, Observing the Earth From Space (undergraduate)	Spring 2018
Gorongosa National Park Scientific Seminar–E.O. Wilson Laboratory at Chitengo, Mozambique	Jun 2018
Brandeis University, Conservation Biology (undergraduate)	Fall 2014

RESEARCH STUDENTS SUPERVISED AND MENTORED

Marie Norwood	Ph.D. committee member	Yale University, 2024 -
Bing Lin	mentor, Ph.D. candidate	Princeton University '24
Kathleen Song	mentor, MPP student	Princeton University '24
Alec Getraer	undergraduate research supervisor	Princeton University '19
Courtney Buoncore	undergraduate research supervisor	Princeton University '18
Felicia Angus	undergraduate research supervisor	Princeton University '17
Jonathan Carcionne	undergraduate senior thesis mentor	Princeton University '17
Amanda Chang	undergraduate research supervisor	Princeton University '17
Bing Lin	undergraduate research supervisor	Princeton University '17
Fredrik A. Eriksson	undergraduate senior thesis mentor	Dartmouth University '16

OUTREACH AND PROFESSIONAL ACTIVITIES

- Member, Ecological Society of America. 2009–present.
- Member, Society for Conservation Biology. 2009–present.
- Ad-hoc reviewer for *Anim Cons*, *Ann NY Acad Sci*, *Basic Appl Ecol*, *Conserv Biol*, *Environ Microbiol*, *Front Ecol Environ*, *Funct Ecol*, *Integrative Zool*, *Northeast Nat*, and *Oikos*, *Soc Natur Resour*.
- Grant reviewer for *US NSF Division of Env Biol* and Yale University Institute for Biospheric Studies.
- Member, Highlands County, FL Natural Resources Advisory Commission. 2021–present.
- Led neighbors in ecological restoration of Fillmore Park, Arlington, Virginia, 2020–2021.
- Fellow of Saybrook College, Yale University, 2017–2019.
- Graduate representative to the department of Ecology and Evolutionary Biology, Princeton University, 2014–2017.
- Online blogs published at National Geographic, Gorongosa National Park, E.O. Wilson Biodiversity Foundation, and others.
- Invited speaker at Australian and U.S. high schools (>10 classes; including for English language learners).

LEADERSHIP TRAININGS AND CERTIFICATIONS COMPLETED

- Florida Forest Service Certified Prescribed Burner, 2023.

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- US Fish and Wildlife Service HQ Ecological Services Leadership Cohort (nominated participant; Jan.-Aug. 2021)
 - Crucial conversations (10 hours), 7 habitats of highly effective people (15 hours), 6 steps for unleashing team talent, two leadership-oriented book group discussions, and facilitation of program cultural development.
- US Fish and Wildlife Service Foundations (4 days at National Conservation Training Center, NCTC)
- Unconscious bias workshop (1-day; USFWS headquarters)
- Congressional Operations Seminar (2-day; USFWS headquarters)
- DOI Introduction to the Endangered Species Act (Department of the Interior; 8 hours online)
- Equal Employment Opportunity/Diversity Training (Department of the Interior; 2 hours online)
- FWS Ethics (1 hour online)
- Introduction to Species Status Assessments (24 hours, delivered online by NCTC)
- Endangered Species Act Listing Primer (16 hours, delivers online by NCTC)
- *National Wildfire Coordinating Group S130/S190* Introduction to Wildland Fire Behavior/Firefighter Training, *L-180* Human Factors in the Wildland Fire Service,
- FEMA *ICS-100* Introduction to Incident Command System & *NIMS-700* National Incident Management System.
- Unconscious bias workshop (1-day; USFWS headquarters)
- Equal Employment Opportunity/Diversity Training (Department of the Interior; 2 hours online).

FOREIGN LANGUAGE SKILLS

Spanish: Intermediate.

Portuguese: Intermediate.

Hebrew: Beginner.