

Cooper Rosin

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(he/him)

EDUCATION

- Ph.D. Duke University, Nicholas School of the Environment** 2017
Ecosystem Science
Certificate in College Teaching
Committee: Drs. John Poulsen, Connie Clark, Roland Kays, and John Terborgh
- M.E.M. Duke University, Nicholas School of the Environment** 2012
Ecosystem Science and Conservation (Master of Environmental Management)
Certificate in Geospatial Analysis
Advisor: Dr. John Terborgh
- B.A. Macalester College** 2007
Biology (major), Spanish (minor)
- Semester Abroad, School for International Training: Ecuador** 2006
Comparative Ecology and Conservation

PROFESSIONAL APPOINTMENTS

- Lecturer and Outreach Specialist** 2023-
University of Wisconsin-Madison, Nelson Institute for Environmental Studies
- Cottam-Loucks Postdoctoral Research Associate in Ecological Studies** 2018-2023
University of Wisconsin-Madison, Nelson Institute for Environmental Studies
- Associate Lecturer** Spring 2018
University of Wisconsin-Madison, Department of Integrative Biology
- Associate Lecturer** Fall 2017
University of Wisconsin-Milwaukee, Department of Biological Sciences
- Postdoctoral Research Associate** 2017-2018
Duke University, Nicholas School of the Environment
- Teacher**
WorldTeach: Kwakwani Secondary School, Guyana 2007-2008

AWARDS, FELLOWSHIPS, & GRANTS

- Postdoc Excellence in Teaching Award, UW-Madison 2021
Honored Instructor Award, UW-Madison 2018

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| Dean's Award for Outstanding Graduate Student Manuscript (for publication #4, below) | 2017 |
| Preparing Future Faculty (PFF) Fellowship | 2016-2017 |
| Duke University Summer Research Fellowship | 2016 |
| Editors' Choice selection, Forest Ecology and Management (for publication #2, below) | 2016 |
| Duke University International Research Travel Award | 2015 |
| James B. Duke International Research Travel Fellowship | 2014-2015 |
| IDEA Wild Field Equipment Fund Award | 2014 |
| The Garden Club of America Award in Tropical Botany | 2014 |
| Kuzmier-Nikitine-Lee Endowment Fund Award | 2011 |
| Lazar Foundation Award | 2011 |
| Nicholas School International Internship Award | 2011 |

TEACHING

Instructor of Record (University of Wisconsin-Madison and *Milwaukee)

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| Conservation of Biodiversity Graduate course, ~20 students | Summer 2022, 2023 |
| Ecological Restoration in Practice Graduate/advanced undergraduate course, 20 students | Fall 2023 |
| Environmental Studies Capstone Advanced undergraduate course, ~16 students | Fall 2020, 2021, 2022, 2023 |
| Ecology and the Global Environment Introductory undergraduate course, ~15 students | Summer 2019, 2020, 2021, 2022 |
| Introduction to Ecology Research at UW-Madison Graduate seminar course, ~20 students | Fall 2018, 2019 |
| Botswana: Ecology and Environment Advanced undergraduate course, 5 students | Summer 2018 |
| Introductory Ecology Introductory undergraduate course, ~130 students | Spring 2018 |
| Conservation Biology * Advanced undergraduate course, ~40 students | Fall 2017 |

Teaching Assistant (Duke University)

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| Tropical Ecology Advanced undergraduate/graduate course, ~20 students | Spring 2017, 2014, 2013, 2012 |
| Applied Statistics for the Environmental Sciences Introductory graduate course, ~65 students | Fall 2016, 2015 |
| Integrating Environmental Science and Policy Introductory undergraduate course, ~60 students | Spring 2016 |

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Introduction to Environmental Science and Policy Fall 2013
Introductory undergraduate course, ~60 students

Satellite Remote Sensing Fall 2012
Advanced graduate course, ~12 students

Teacher (Kwakwani Secondary School, WorldTeach Guyana) 2007-2008

Biology (grades 10 and 11)

Integrated Science (grades 7 and 8)

Wildlife Club (after-school program, all ages)

ADVISING & MENTORING

Undergraduate Research Advisor

Felisa Mearns (B.S. student), University of Guyana 2018-2020
“Timber Recruitment in Contrasting Forest Conditions”

Graduate Thesis Committee Member

Isaac Bailey (M.S. student), University of Wisconsin-Madison 2020-

Mary-Claire Glasenhardt (M.S. student), University of Wisconsin-Madison 2020-

Mercedes Kennedy (M.S. student), University of Wisconsin-Madison 2018-2020
“An Evaluation of the Effects of Climate Change on Plant Species Diversity and Composition in the Faville Prairie”

Jenny Goldstein Prah (M.S. student), University of Wisconsin-Madison 2018-2019
“Evaluating the significance and efficacy of habitat restoration at MaꞤ Wákaçak, the Sacred Earth parcel of the Ho-Chunk Nation in present-day Sauk County, Wisconsin.”

PUBLICATIONS

Burivalova, Z., **C. Rosin**, J. Buchner, V.C. Radeloff, and N. Ocampo-Peñuela. 2022.

Conservation responsibility for bird species in tropical logged forests. Conservation Letters, DOI: 10.1111/conl.12903

Rosin, C. and P. H. Zedler. 2020. Conservation biology education at small liberal arts colleges: An opportunity for growth. Conservation Science and Practice, DOI: 10.1111/csp2.277

Nye, D. L., **C. Rosin**, and P. H. Zedler. 2020. Assessing conservation value and restoration priorities in an agro-ecological landscape. Natural Areas Journal, DOI: 10.3375/043.040.0320

Rosin, C., K.K. Beals, M.W. Belovitch, R.E. Harrison, M. Pendred, M.K. Sullivan, N. Yao, and J.R. Poulsen. 2020. Assessing the effects of elephant foraging on the structure and diversity of an Afrotropical forest. Biotropica, DOI: 10.1111/btp.12758.

Rosin, C. and J. R. Poulsen. 2018. Seed traits, not density or distance from parent, determine seed predation and establishment in an Afrotropical forest. Biotropica,

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DOI: 10.1111/btp.12601

- Poulsen, J.R., **C. Rosin**, A. Meier, E. Mills, C. Nuñez, S.E. Koerner, E. Blanchard, J. Callejas, S. Moore, and M. Sowers. 2018. The ecological consequences of forest elephant declines for Afrotropical forests. Conservation Biology, DOI: 10.1111/cobi.13035.
- Rosin, C.**, J.R. Poulsen, V. Swamy, and A. Granados. 2017. A pantropical assessment of vertebrate physical damage to forest seedlings and the effects of defaunation. Global Ecology and Conservation 11:188-195.
- Pauwels, O.S.G., L. Chirio, E.J. Neil, S. Berry, N. Texier, and **C. Rosin**. 2017. Miscellanea Herpetologica Gabonica VIII. Bulletin of the Chicago Herpetological Society 52(3):41-46.
- Poulsen, J.R., S.E. Koerner, S. Moore, V.P. Medjibe, S. Blake, C.J. Clark, M.E. Akou, M. Fay, A. Meier, J. Okouyi, **C. Rosin**, and L.J.T. White. 2017. Poaching empties critical Central African wilderness of forest elephants. Current Biology 27, R123-R138.
- Rosin, C.** and J.R. Poulsen. 2016. Hunting-induced defaunation drives increased seed predation and decreased seedling establishment of commercially important tree species in an Afrotropical forest. Forest Ecology and Management 382:206-213.
- Rosin, C.** and J.R. Poulsen. 2016. Telemetric tracking of scatterhoarding and seed fate in a Central African forest. Biotropica 49(2):170-176.
- Rosin, C.** 2014. Does hunting threaten timber regeneration in selectively logged tropical forests? Forest Ecology and Management 331:153-164.
- Rosin, C.** and V. Swamy. 2013. Variable density responses of primate communities to hunting pressure in a western Amazonian river basin. Neotropical Primates 20(1):25-31.

ADDITIONAL RESEARCH EXPERIENCE

I have conducted field research in sites around the world, including in Belize, Ecuador, Peru, Guyana, Gabon, and Malaysian Borneo. I have also visited field sites in Mexico, Costa Rica, Panama, Trinidad, and Madagascar. In addition to degree-seeking and postdoctoral research, I have worked in the following research capacities:

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| Research Assistant Canopy Palm Phenology and Climate Change Project, Duke University | 2010-2014 |
| Conservation GIS Intern National Geographic Big Cats Initiative, Duke University | 2010-2012 |
| Climate Change and Wildlife Database Technician Department of Forest and Wildlife Ecology, University of Wisconsin-Madison | 2009-2010 |
| Field Technician Wild Felid Assessment Project, Virginia Tech / Fireburn Reserve, Belize | 2009 |

MEDIA COVERAGE (SELECTED)

- Clark, E. 2018. Loss of forest elephant may make Earth 'less inhabitable for humans'. Mongabay. Available online at: <https://news.mongabay.com/2018/10/loss-of-forest-elephant-may-make-earth-less-inhabitable-for-humans/>
- Morell, V. 2017. No place is safe for Africa's hunted forest elephants. Science (magazine). Available online at: <http://www.sciencemag.org/news/2017/02/no-place-safe-africa-s->

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- hunted-forest-elephants
- Bradham, B. 2017. Research group tracks elephants to help better protect them from poaching. The Chronicle.
Available online at: <http://www.dukechronicle.com/article/2017/01/research-group-tracks-elephants-to-help-better-protect-them-from-poaching>
- Cannon, J.C. 2016. Hunting stymies rainforest regrowth, says a new study. Mongabay.
Available online at: <https://news.mongabay.com/2016/11/hunting-stymies-rainforest-regrowth-says-a-new-study/>
- Watsa, M.E. 2014. Small monkeys take over when big primates have been hunted out in the Amazon. Mongabay.
Available online at: <https://news.mongabay.com/2014/04/small-monkeys-take-over-when-big-primates-have-been-hunted-out-in-the-amazon/>
- Rosin, C.** 2013. Hunting for a Solution: Bushmeat and biodiversity in tropical forests. DIMENSIONS: International Human Dimensions Programme on Global Environmental Change.
Available online at: <https://ourworld.unu.edu/en/hunting-for-a-solution>
- Park, A. 2007. An aching heart: teaching biology in South America. The Mac Weekly.
Available online at: <http://www.themacweekly.com/oldsite/an-aching-heart-teaching-biology-in-south-america-1.2533038.html>

CONFERENCES & INVITED TALKS

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| Association for Tropical Biology and Conservation; virtual conference | 2021 |
| <i>Oral Presentation:</i> "Understanding Elephant Effects: Observational and Manipulative Approaches." | |
| Friends of the Arboretum Lecture Series, UW-Madison Arboretum | 2021 |
| <i>Oral Presentation:</i> "Elephant Conservation in Tropical Forests." | |
| Association for Tropical Biology and Conservation; Antananarivo, Madagascar | 2019 |
| <i>Oral Presentation:</i> "Assessing the Effects of Elephant Foraging on the Structure and Diversity of an Afrotropical Forest." | |
| Recent Advances in Biology Lecture Series, Lawrence University | 2018 |
| <i>Oral Presentation:</i> "Tropical Forests and Elephants: Hunting, Poaching, and Conservation." | |
| Association for Tropical Biology and Conservation; Kuching, Malaysia | 2018 |
| <i>Oral Presentation:</i> "Defaunation, Seed Predation, and Seedling Establishment of Commercially Important Tree Species in an Afrotropical Forest." | |
| Association for Tropical Biology and Conservation; Merida, Mexico | 2017 |
| <i>Research presented by co-author in absentia:</i> "A Pantropical Assessment of Vertebrate Physical Damage to Forest Seedlings and the Effects of Defaunation" | |
| IV International Congress on Biodiversity of the Guiana Shield; Georgetown, Guyana | 2016 |
| <i>Oral Presentation:</i> "The Effects of Hunting on Plant-Animal Interactions and Timber Regeneration in the Guiana Shield" | |
| Association for Tropical Biology and Conservation; San Jose, Costa Rica | 2013 |
| <i>Poster:</i> "Variable Density Responses of Primate Communities to Hunting Pressure in a Western Amazonian River Basin" | |
| Student Conference on Conservation Science; New York, NY | 2010 |

SERVICE & PROFESSIONAL MEMBERSHIPS

Institutional Service

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| Nelson Institute Governance Committee | 2020- |
| Wisconsin Ecology Executive Committee | 2018- |
| Wisconsin Ecology Academic Programs and Curricula Committee | 2018- |

Journal Reviews

AoB Plants
Basic and Applied Ecology
Biological Conservation
Biotropica
Ecology and Evolution
International Journal of Primatology
Pacific Science
Plant Ecology and Evolution
The Development Education Journal (Philippines)
Tropical Conservation Science

Memberships

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| Association of College & University Biology Educators | 2017- |
| Association for Tropical Biology and Conservation | 2013- |
| Society for Conservation Biology | 2008- |
| Duke Conservation Society (founding member) | 2011-2017 |

REFERENCES

Amanda Chunco, Ph.D.

Associate Professor of Environmental Studies
Elon University
(336) 278-6275
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John Poulsen, Ph.D.

Associate Professor of Tropical Ecology
Nicholas School of the Environment, Duke University
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Paul Zedler, Ph.D.

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