

CAMILLE DESISTO

(617)549-4743 | camille.desisto@duke.edu | camilledesisto.com

EDUCATION

- 2020- Present Duke University, Durham, NC
PhD Candidate in Ecology, advisors: Dr. Charles Nunn, Dr. John Poulsen
Certificate in College Teaching
Expected graduation date: May 2025
- 2015-2019 Harvard University, Cambridge, MA
B.A. in Integrative Biology, Cum Laude, High Honors within Major
Secondary in Environmental Science and Public Policy, Citation in Spanish

PUBLICATIONS

6. Poulsen, J., Maicher, V., Malinowski, H., **DeSisto, C.** Situating Defaunation in an Operational Framework to Advance Biodiversity Conservation. (2023) *BioScience*.
5. Golden, C. D., **DeSisto, C.M.M.**, Borgerson, C., Randriamady, H.J. Hunting and the consumption of wildlife in Madagascar. *In* The New Natural History of Madagascar. Goodman and Benstead eds. (2022) *Princeton University Press*.
4. **DeSisto, C.** & Herrera, J. Drivers and Consequences of Structure in Lemur-Plant Ecological Networks. (2022). *Journal of Animal Ecology*
3. Golden, C.D., Koehn, Z.J., Shepon, A., Passarelli, S..., **DeSisto, C....** Thilsted, S.H. Aquatic foods to nourish nations. (2021) *Nature*, 598(7880), 315–320.
2. **DeSisto, C.M.M.**, Park, D., Davis, C. C., Ramananjato, V., Tonos, J.M., Razafindratsima, O.H. (2020). An invasive species spread by threatened diurnal lemurs impacts rainforest structure in Madagascar, *Biological Invasions*, 22(9), 2845-2858.
1. Ramananjato, V., Rakotomalala, Z., Park, D., **DeSisto, C.**, Raelinjanakolona, N., Guthrie, N., Fenosoa, Z., Johnson, S., Razafindratsima, O.H. (2020). The role of nocturnal omnivorous lemurs as seed dispersers in Malagasy rainforests, *Biotropica*, 52(4), 758-765.

In Review/ In Revision/ In Prep. (PDF available upon request)

- DeSisto, C.M.M.**, Kampe, J., Medjibe, V., Dunson, D., Gupta, A., Midoko Iponga, D., Malinowski, H., Poulson, J. Imputing unobserved seed dispersal interactions to assess consequences of faunal degradation. *In Review in Ecology Letters*.
- Molina-Moreira, N., Arias de López, M., Rodriguez, R., Medranda, P., Massuh, D., **DeSisto, C.** Evaluation of the damage caused by *Coccotrypes rhizophorae* in *Rhizophora* propagules along the Ecuadorian coast. *In Review in Madera y Bosques*.
- DeSisto, C.M.M.**, Frappier-Brinton, T., Boos, E., Rasolofoson, R. Impacts of tourism on deforestation in protected areas across Madagascar. *In Prep.*
- Gupta, A., **DeSisto, C.**, Maicher, V., Medjibe, V., Malinowski, M., Poulsen, J.R.. Forest elephant activity associated with high forest carbon stocks. *In Prep.*

DeSisto, C., Herrera, J., Dimbiarijaonina, C., Randrianasolo, D., Rabevaio, E., Mahazandry, E., Emerancine, Tsilanizara, E., Raveloson, G., Ranohianasy, J., Tiamanana, J., Njakandrina, J., Raharizafinirina, M.O., Rasolofo, Bezaralahy, R., Rakotoarisoa, S., Feno, T., Ramalanjaona, W., Zerimanana, Zandry, Z., Poulsen, J.R., Nunn, C. Land-use change drives structure and function of single-layer and multilayer ecological networks. *In Prep.*
 Kampe, J., **DeSisto, C.M.M.**, Dunson, D. Covariate informed link prediction with extreme taxonomic bias. *In Prep.*

DATA

Golden, C.D., Koehn, J.Z., Vaitla, B., **DeSisto, C.**, Kelahan, H., Manning, K., Fiorella, K.J., Kjellevold, M., Thilsted, S.H. (2021). Aquatic Food Composition Database, Harvard Dataverse.
 Ramananjato, V., Rakotomalala, Z., Park, D., **DeSisto, C.**, Raelinjanakolona, N., Guthrie, N., Fenosoa, Z., Johnson, S., Razafindratsima, O.H. (2020). Data from: The role of nocturnal omnivorous lemurs as seed dispersers in Malagasy rain forests, v2, Dryad.

FELLOWSHIPS, GRANTS, AND AWARDS *Collaborative Grant

2023	Duke Evolutionary Anthropology Mentorship Funding (\$1,000)
2023	Duke Office of Global Affairs Student Research Fund (\$2,500)
2023-2024	Preparing Future Faculty Fellowship
2023	Rolex Explorers Club Grant (\$4,992)
2023	Primate Conservation Inc. Grant (\$1,800)
2023	Explorers Club Discovery Grant Finalist
2023	Bass Connections Award for Outstanding Mentorship Finalist
2023	Duke Lemur Center Director's Fund Grant (\$3,554)
2023	P.E.O Scholar Award (\$20,000)
2023	Garden Club of America Fellowship in Tropical Botany (\$5,500)
2023	Duke Competitive Summer Research Fellowship (\$8,415)
2023	*Duke Student Research Award (\$5,000)
2023	Phipps Botany in Action Fellowship (\$5,000)
2022	*Duke Graduate School Professional Development Grant (\$2,000)
2022	* Bass Connections Grant (\$42,000)
2022	*Duke Africa Initiative Award (\$1,000)
2022	Duke Global Student Research Fund (\$1,500)
2022	National Science Foundation Graduate Research Fellowship Honorable Mention
2022	Duke University Summer Research Fellowship (\$8,250)
2022	*Holohil Research Award (GPS collars, ~\$2,500)
2022	*Bass Connections Student Grant (\$5,000)
2022	*Bass Connections Grant (\$25,000)
2022	Duke International Dissertation Research Travel Award (\$3,000)
2022	*Duke Africa Initiative Award (\$1,000)
2021	*Duke University Graduate Working Group on Global Issues (\$1,000)
2021	Duke University Summer Research Fellowship (\$6,500)
2021	Duke University Graduate Research and Travel Award (\$1,325)
2020-2023	James B. Duke Fellowship (\$5000/ year)

2019 Fulbright Student Research Fellowship (~\$13,000)
 2019 Hoopes Prize- awarded to Harvard College seniors for outstanding scholarly research in a senior thesis (\$5,000)
 2018 Herchel Smith Harvard Undergraduate Science Research Fellowship (\$8,300)
 2018, 2017 Elizabeth Gardner Norweb Summer Environmental Studies Scholarship – Garden Club of America (\$3,000, \$3,000)
 2018, 2017 Harvard University Herbaria Grant-in-aid of Undergraduate Research (\$2,500,\$4,824)
 2017 Tab Rasmussen Scholarship for Tropical Field Ecology in Bangladesh- Field Projects International (cost of tuition)
 2017 Weissman International Internship Program Grant –Harvard College (\$7,000)
 2016 Roy Family Environmental Internship – Harvard Kennedy School (\$4,000)
 2015-2019 Henry David Thoreau Foundation Environmental Scholarship (\$5,000/ year)

RESEARCH EXPERIENCE

Biocultural Sustainability in Madagascar SAVA Region, Madagascar/Durham, NC
Project Manager, Supervisor: James Herrera, PhD. December 2021-Present

Pathogens to Pachyderms NSF Project Ivindo National Park, Gabon/ Durham, NC
Student Researcher, Supervisor: John Poulsen, PhD. June 2021-Present

Stanford Center for Ocean Solutions/ Harvard School of Public Health Boston, MA
Research Assistant, Supervisor: Christopher Golden, PhD. April 2020 – August 2020

Fulbright Student Program Guayaquil, Ecuador
Student Researcher, Collaborator: Natalia Molina Moreira, PhD. September 2019-March 2020*
 *Completed early due to COVID-19

Ants and Canopy Boot Camp Antananarivo/Ankarafantsika, Madagascar
Research Assistant, Supervisors: Brian Fisher, PhD., Bonnie Blaimer, PhD. July 2019

The Davis Lab, Harvard University Herbaria Cambridge, MA
Research Assistant, Advisor: Charles Davis, PhD. September 2017- May 2019

The Institute for Quantitative Social Science at Harvard Cambridge, MA
Research Assistant, Supervisor: Christopher Golden, PhD. December 2018- May 2019

Independent Field Research, Harvard University Various locations, Madagascar
Student Researcher, Advisor: Onja Razafindratsima, PhD. May 2018-August 2018
 June 2017- July 2017

Planetary Health Alliance Various locations, Madagascar/ Cambridge, MA
Undergraduate Scholar, Supervisor: Christopher Golden, PhD. January 2017- December 2017

RELEVANT PROFESSIONAL EXPERIENCE

Resource Efficiency Program, Harvard Office of Sustainability Cambridge, MA
Pfozrheimer House Representative September 2016- May 2017

Conservation International Suriname
Research Assistant, Supervisor: John Goedschalk

Paramaribo, Suriname
June 2016- August 2016

SELECT PRESENTATIONS/ POSTERS

- 2024 Student Conference on Conservation Science. *Effects of faunal degradation on aboveground biomass across Gabon* (presentation). *Forthcoming*
- 2023 British Ecological Society Annual Meeting. *Effects of faunal degradation on aboveground biomass across Gabon* (presentation).
- 2021 Symposium on Ecological Networks: “Drivers and Consequences of Lemur-Plant Interaction Networks” (presentation).
- 2019 Congreso Manglares de America: “*La dinámica del carbono en los manglares de Ecuador*” (presentation).
- 2019 Association for Tropical Conservation Biology: “Animal-mediated spread of the invasive strawberry guava (*Psidium cattleianum*) in Madagascar” (presentation).
- 2019 Association for Tropical Conservation Biology: “The invasive strawberry guava (*Psidium cattleianum*) reshapes rainforest community structure in Madagascar” (poster).
- 2018 National Collegiate Research Conference: “Impacts of the Invasive Strawberry Guava on Plant Community Structure in Madagascar’s Rainforests” (poster).
- 2018 Garden Club of America Regional Annual Meeting: “The Spread and Consequences of the Invasive Strawberry Guava in Madagascar.”
- 2018 Seed Dispersal in the Anthropocene Workshop: “The Spread and Consequences of the Invasive Strawberry Guava in Madagascar.”
- 2017 Garden Club of America Regional Annual Meeting: “A multidimensional analysis of the invasive strawberry guava in Madagascar.”

TEACHING EXPERIENCE

Environment 759: Biocultural Sustainability in Madagascar (Fall 2023, Spring 2023, Fall 2022)

Environment 872: Environmental Data Analytics (Spring 2022, Fall 2023, Spring 2023)

Environment 710: Applied Data Science for the Environmental and Natural Sciences (Fall 2021)

Environment 102: Introduction to Environmental Science and Policy (Spring 2021)

Environment 201: Integrating Environmental Science and Policy (Fall 2020)

SELECT OUTREACH AND SERVICE ACTIVITIES

Building a Better Fieldwork Future	Durham, NC
<i>Certified Sexual Harassment and Assault Prevention Trainer</i>	August 2021- Present
Malagasy Working Group	Durham, NC
<i>Founder and President</i>	September 2020 – May 2022
Duke University Program in Ecology	Durham, NC
<i>Executive Committee Student Representative</i>	October 2023- Present
<i>Seminar Planning Committee</i>	September 2020- May 2023
Reach the World	Guayaquil, Ecuador
<i>Educational Outreach Volunteer</i>	September 2019- December 2019
Conservation Society, Harvard College	Cambridge, MA

<i>President</i>	September 2015- May 2019
Harvard First-Year Outdoor Program	Cambridge, MA
<i>Leader</i>	February 2016- May 2019
Harvard Outing Club	Cambridge, MA
<i>Leader</i>	September 2016- May 2019
Environmental Action Committee, Harvard College	Cambridge, MA
<i>Outreach Chair</i>	September 2015- May 2018

SELECT WORKSHOP PARTICIPATION

2023	Phipps Conservatory Science Engagement Week, Pittsburgh, PA
2023	Women in Network Science Collabathon, Boston, MA
2023	Winter Workshop on Complex Systems, Amsterdam, Netherlands
2022	Decolonizing Ecology Workshop, Durham, NC
2021	Social Networks and Health, Online
2019	Taxonomía y ecología de arañas e insectos para la conservación de manglares, Guayaquil, Ecuador
2018	Seed Dispersal in the Anthropocene, Andasibe, Madagascar

PROFESSIONAL MEMBERSHIPS

Duke Society of Fellows
 Association for Tropical Biology and Conservation
 Association for Women in Science
 Women in Network Science Society
 Society of Ethnobiology
 British Ecological Society

MENTORING

Roméo Bezaralahy, University of Antsiranana, Master's Thesis	June 2023-Present
Dedriek Whitaker, Duke University, Undergraduate Honors Thesis	Jan. 2023-Present
Allie Monahan, NCSU, Undergraduate Research Credit	Jan. 2023-Present
Borna Zareiesfandabadi, UNC Chapel Hill, Undergraduate Research Credit	Jan. -Sept. 2023
Sedraniaina Rasolomihaja, University of Antananarivo, Master's Thesis	Aug. 2022- Oct. 2023

SKILLS

Language: Advanced Spanish, intermediate Malagasy, beginner French
Technical: R and R Studio, ArcGIS, Git and GitHub, LaTeX, Photography