

CAMILLE DESISTO

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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
- 2019-2020 US Fulbright Program, Guayaquil, Ecuador
Fulbright Student Researcher, Universidad Espiritu Santo
- 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.

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.

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

- DeSisto, C.M.M.**, Frappier-Brinton, T., Boos, E., Rasolofoson, R. Impacts of tourism on deforestation in protected areas across Madagascar. *In Reivew.*
- DeSisto, C.M.M.**, Herrera, J., Dimbiarijaonina, C., Randrianasolo, D., Rabevao, 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 drives structure and function of lemur-tree ecological networks. *In Review.*
- Molina-Moreira, N., Arias de López, M., Rodriguez, R., Medranda, P., Massuh, D., **DeSisto, C.** Evaluation of the damage caused by *Coccoltrypes rhizophorae* in *Rhizophora* propagules along the Ecuadorian coast. *In Review in Madera y Bosques.*
- 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 Prep.*
- DeSisto, C.M.M.**, Kampe, J. Medjibe, V., Midoko Iponga, D., Gupta, A., Nunn, C., Poulsen, J.R. Anthropogenic and environmental factors drive frugivore interaction diversity. *In prep.*
- Gupta, A., **DeSisto, C.**, Maicher, V., Medjibe, V., Malinowski, M., Midoko Iponga, D., Ngomanda, A., Poulsen, J.R. Forest elephant activity associated with high forest carbon stocks. *In Prep.*
- Kampe, J., **DeSisto, C.M.M.**, Dunson, D. Covariate informed link prediction with extreme taxonomic bias. *In Prep.*

FELLOWSHIPS, GRANTS, AND AWARDS *Collaborative Grant

2024	Katherine Goodman Stern Fellowship (\$30,000 + tuition and fees)
2024	*Duke Climate Research Innovation Seed Program (CRISP) Research Award (\$99,995)
2024,2022	Duke Graduate School Conference Travel Award (\$700, \$700)
2024, 2022	Bass Connections Student Grant (\$3,000, *\$5,000)
2024, 2023	Phipps Botany in Action Fellowship (\$6,000, \$5,000)
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	Duke Graduate School Conference Travel Award (\$700)
2023, 2022	* Bass Connections Grant (\$25,000, \$42,000)
2022	*Duke Graduate School Professional Development Grant (\$2,000)

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 Duke International Dissertation Research Travel Award (\$3,000)
 2022 *Duke Africa Initiative Award (\$1,000)
 2022 Duke Graduate School Conference Travel Award (\$700)
 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
Research Assistant, Supervisor: Christopher Golden, PhD.

Cambridge, MA
December 2018- May 2019

Independent Field Research, Harvard University
Student Researcher, Advisor: Onja Razafindratsima, PhD.

Various locations, Madagascar
May 2018-August 2018
June 2017- July 2017

Planetary Health Alliance
Undergraduate Scholar, Supervisor: Christopher Golden, PhD.

Various locations, Madagascar/ Cambridge, MA
January 2017- December 2017

PRESENTATIONS/ POSTERS

- 2024 Ecological Society of America. *Effects of faunal degradation on aboveground biomass across Gabon* (presentation).
- 2024 North American Congress for Conservation Biology. *Impacts of tourism on deforestation across Madagascar* (presentation).
*Student Award Finalist
- 2024 New Phytologist Next Generation Scientists. *Land use change drives the structure and function of single-layer and multilayer ecological networks* (poster).
- 2024 P.E.O. State Chapter Conference. *Conservation and Community* (presentation).
- 2024 Fortin Foundation Bass Connections Showcase. *Biocultural Sustainability in Madagascar* (poster).
- 2024 Student Conference on Conservation Science. *Effects of faunal degradation on aboveground biomass across Gabon* (presentation).
*Talk prize, 3rd place
- 2024 International Society of Tropical Foresters. Land-use change drives structure and function of single-layer and multilayer ecological networks (poster).
- 2023 British Ecological Society Annual Meeting. *Effects of faunal degradation on aboveground biomass across Gabon* (presentation).
- 2023 Fortin Foundation Bass Connections Showcase. *Biocultural Sustainability in Madagascar* (poster).
- 2022 Fortin Foundation Bass Connections Showcase. *Effects of Defaunation on Tropical Forest Ecosystem Services* (poster). *Second place prize.
- 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* (presentation).
- 2018 Seed Dispersal in the Anthropocene Workshop. *The Spread and Consequences of the Invasive Strawberry Guava in Madagascar* (presentation).

2017 Garden Club of America Regional Annual Meeting. *A multidimensional analysis of the invasive strawberry guava in Madagascar* (presentation).

TEACHING EXPERIENCE

Environment 759: Biocultural Sustainability in Madagascar (Spring 2024, 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

2024	End-to-End Google Earth Engine by Spatial Thoughts, Online
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
British Ecological Society
Society for Conservation Biology

MENTORING

Roméo Bezaralahy, University of Antsiranana, Master's Thesis	June 2023-Present
Dedriek Whitaker, Duke University, Undergraduate Independent Study	Jan. 2023-Dec. 2024
Allie Monahan, NCSU, Undergraduate Research Credit	Jan. 2023-Jan 2024
Borna Zareiesfandabadi, UNC Chapel Hill, Undergraduate Research Credit	Jan. -Sept. 2023
Sedraniaina Rasolomihaja, University of Antananarivo, Master's Thesis	Aug. 2022- Oct. 2023

OTHER RELEVANT PROFESSIONAL EXPERIENCE

Resource Efficiency Program, Harvard Office of Sustainability	Cambridge, MA
<i>Pforzheimer House Representative</i>	September 2016- May 2017

Conservation International Suriname	Paramaribo, Suriname
<i>Research Assistant, Supervisor: John Goedschalk</i>	June 2016- August 2016

SKILLS

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