

TRIFOSA IIN SIMAMORA

Ithaca, New York | tis25@cornell.edu

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EDUCATION

Cornell University, Ithaca, NY

- **PhD in Natural Resources and Environment** (June 2023 – present)
USGS New York Cooperative Fish and Wildlife Research Unit
Project: Grassland birds and solar energy in New York State
PI: Steven Grodsky, Stephen Morreale, Laurel Symes, Andy Royle

North Carolina State University, Raleigh, NC

- **MSc in Fisheries, Wildlife, and Conservation Biology - GPA: 4.0/4.0**
December 2022
Thesis: "Bayesian Multi-species occupancy modeling of bird's community in the fragmented landscape of West Kalimantan, Indonesia."
PI: Krishna Pacifici, Jaime A. Collazo, Brian Reich
- **Master of Statistics - GPA: 3.98/4.0** December 2022
Non-thesis program
PI: Wenbin Lu

Bogor Agricultural University, Bogor, Indonesia 2016

February

- BSc in Statistics and Minor in Economics and Development Studies – GPA: 3.06/4.0

RESEARCH EXPERIENCE

Center for International Forestry Research (CIFOR), Bogor, Indonesia

Research Assistant - Biodiversity Specialist March 2018 – Feb 2021

- **Project:** Understanding the impacts of forest fragmentation caused by swidden, traditional, and intensified agriculture on the birds, vegetation, and soil community in Borneo Island, Indonesia.
PI: Yves Laumonier

Field Coordinator April 2018 – May 2018

- **Fieldwork:** interviewed 40 farmers applying agroforestry and non-agroforestry practices to evaluate the economic and environmental impacts on Java Island, Indonesia.
PI: Syed Ajijur Rahman

Data Analyst October 2016 – March 2018

- **Project:** Investigate the links between trees and diets among households in several African forested landscapes of Ethiopia, Burkina, Cameroon, Uganda, and Zambia.
PI: Amy Ickowitz, Terry Sunderland

ORGANIZATION EXPERIENCE

Cornell University

Cornell Indonesian Association – Event Coordinator

August 2023 – 2024

Responsibility: Lead the event that obtained \$2500 funding from Cornell University and attended by about 250 students and Indonesian ambassador team

Tropical Biology & Conservation GSA – Member

August 2023 – 2024

Responsibility:

Department of Natural Resources and the Environment (DNRE)

Graduate Students Assembly (GSA) - President

2024 – 2025

Responsibility: Lead 8 events throughout the year, including the welcome party for 25 graduate students, 8 MPS students, DNRE Annual Symposium, Community events, and Department social events.

Graduate Resident Fellow, Carl Becker House,
West Campus House System, Cornell University

2024 – 2026

Tropical Biodiversity and Conservation - Treasurer

2024 – present

Bogor Agricultural University, Bogor, Indonesia.

Student leader of A1 Dormitory

August 2011 – August 2012

North Carolina State University

NCSU DIVE – student leader

Aug 2021 – Jan 2022

Bridges International – student volunteer

Aug 2021 – Dec 2023

Permias Indonesia (Indonesian Student Community) – Vice President

Aug 2021 – Dec 2023

TEACHING EXPERIENCE

Bogor Agricultural University, Bogor, Indonesia.

Teaching Assistant

- MAT 103 - Calculus I class

June 2014 – July 2015

Organized, planned, and executed additional lectures to 55 first-year students.

- STK 211 - Methodological Statistics I class
2015

August 2014 – August

I lectured on for 40 sophomore students. Delivering practice problems, material discussion, quizzes, and proctoring examinations.

HONORS AND AWARDS

- Cornell Creative Writing and Art Competition: Cross-Border Movements: Racism, Dispossession, and Migration 2023. **December 2023**
- Fall 2022 CNR Commencement Student Speaker – NCSU **2022**
- Faculty Fellowship - NCSU College of Natural Resources **2022**
- Fulbright Foreign Student Program master's degree Scholarship **2021**
- Migration Graduate Fellow 2025 – 2026. Einaudi Center for International Studies. Migration Program. Cornell University
- The Graduate school Conference Grant Award. Graduate Fellowship and Funding Office, Cornell University. Award amount: \$500

PUBLICATIONS

- Simamora, T. I.** (2022). *Multispecies Occupancy Modeling of Bird Communities in the Fragmented Landscape of West Kalimantan, Indonesia*. North Carolina State University, 2022., Raleigh, North Carolina. Retrieved from <https://www.lib.ncsu.edu/resolver/1840.20/40136>.
- Simamora, T. I.**, Purbowo, S. D., & Laumonier, Y. (2021). Looking for indicator bird species in the context of forest fragmentation and isolation in West Kalimantan, Indonesia. *Global Ecology and Conservation*, 27, e01610. doi: 10.1016/j.gecco.2021.e01610
- Laumonier, Y., **Simamora, T.**, Narulita, S., Pribadi, U. A., Simarangkir, A., Kharisma, S., & Shantiko, B. (2020). *Sentinel Landscapes initiative: stocktake and baseline data analysis for future landscape management and monitoring in West Kalimantan*. Bogor, Indonesia: The CGIAR Research Program on Forests, Trees, and Agroforestry (FTA). doi: 10.17528/cifor/007680

CONFERENCE PRESENTATIONS

Oral Presentations

- **Simamora, Trifosa** (27 September 2023). Bayesian multi-species occupancy modeling of bird's community in the fragmented landscape of West Kalimantan, Indonesia. Tropical Biology and Conservation, Cornell University.
- **Simamora, T.** Satriyo, D, Suriyanto, I, Laumonier, Y. Assessment of landscape change, habitat fragmentation, and biodiversity threat in the Kapuas River basin of West Kalimantan, Indonesia. ATBC 56th Meeting. Antananarivo, Madagascar. **(30 July - 3 August 2019)**
- **Simamora, T.** Satriyo, D. Laumonier, Y. Biodiversity conservation value of swidden agroforestry systems vs. RSPO oil palm in West Kalimantan, Indonesia. Montpellier, France. **(20 – 22 May 2019).**
- Boycott, T.J., **T.I. Simamora**, and S.M. Grodsky. Grassland birds and solar energy in New York: Interactions and management implications across spatiotemporal scales. NYSDEC Bird and Mammal Diversity Team Annual Planning Meeting, Brockport, NY, October 11, 2023

- **Simamora, Trifosa I.,** Boycott, T., and S.M. Grodsky. Quantifying Grassland Bird Community on Protected and Working Lands in New York: An Initial Investigation Preceding the Influence of Solar Panel Infrastructure Development. GSA DNRE Symposium. Cornell University. January 19, 2024.
- **Simamora, Trifosa I.,** Boycott, T., and S.M. Grodsky. Quantifying Grassland Bird Community on Projected and Working Lands in New York: Implications for Sustainable Solar Energy Development. The Wildlife Society New York Chapter. Albany, New York. March 19, 2024.
- **Simamora, Trifosa I.,** Boycott, T., and S.M. Grodsky. Grassland Birds on Protected and Working lands in New York: Community Assemblages, occurrence trends, and interactions with solar energy development. New York Grassland Bird Working Group. April 26, 2024.
- **Simamora, Trifosa I.,** Boycott, T., and S.M. Grodsky. Solar Energy Development and Grassland Birds in New York. Poster Session. American Ornithological Society Symposium. Colorado, New York. October 4, 2024.
- **Simamora, Trifosa I.,** Boycott, T., and S.M. Grodsky. Grassland Bird Community Composition Across Modified Solar Landscapes. GSA DNRE Symposium. Cornell University. January 17, 2025.
- Boycott, T.J., **T.I. Simamora,** and S.M. Grodsky. Solar Energy Development and Grassland Birds in New York. Poster Session. KK Wang Day on Renewable Energy. Cornell University, New York. March 6, 2025.
- **Simamora, Trifosa I.,** Boycott, T.J., and S. M. Grodsky. Grassland Birds and Solar Energy in New York State. New York Cooperative Fish and Wildlife Research Unit Annual Coordinating Committee Meeting. Delmar, New York. June 25, 2025.
- **Simamora, Trifosa I.,** Boycott, T.J., and S. M. Grodsky. Winter raptors in New York's changing energy landscape. Renewable Energy Wildlife Institute, Solar Wildlife & Ecosystems Research Meeting. Scottsdale, Arizona. November 17 – 20, 2025.
- Boycott, T.J., **Simamora, Trifosa I.,** and S. M. Grodsky. Assessing avian community composition and grassland bird habitat use in solar-modified and grassland landscapes in New York. Renewable Energy Wildlife Institute, Solar Wildlife & Ecosystems Research Meeting. Scottsdale, Arizona. November 17 – 20, 2025.
- **Simamora, Trifosa I.,** Boycott, T.J., and S. M. Grodsky. Winter Raptor Occupancy, Habitat Use, and Behavior Across Grassland Habitats and Solar-Developed Landscapes in New York. GSA DNRE Symposium. Cornell University. January 15 - 16, 2026.

TECHNICAL SKILLS

Analysis Packages: R, SAS, STATA, ArcGIS, Python, Google Earth Engine