Eliza Tarimo

Department of Biological Sciences
Derring Hall 4076
926 West Campus Drive
Blacksburg, VA 24061

(540) 824-8698 • DELIZABETH@VT.EDU

Education

Ph.D. in Biological Sciences(Computational Evolutionary Biology) 2021 – Current
Virginia Tech, Virginia, USA

Bachelor of Science in Wildlife Management 2011 – 2014
Sokoine University of Agriculture, Morogoro, Tanzania

Certifications

- The Carpentries Instructor Training Program June 2023
- SLiM Forward Simulation Program June 2023

Research Experience

Graduate student, Researcher, and Teaching Assistant August 2021-Current

Ph.D. Student (Converted from Masters December 2022)

Virginia Polytechnic Institute and State University

- Researching and taking courses on evolutionary biology; comparing the thermal evolution between endotherms and ectotherms.
- Incorporating phylogeny to predict the spread of the fungal disease affecting bats in the US, White Nose Syndrome (WNS) across the country.
- Organizing teaching material for undergraduate Biology students and teaching them courses on introduction to biology lab and participating as a laboratory facilitator.
- Facilitating discussions and advising undergraduate students on their career goals and expectations.

Undergraduate Researcher July 2014

Sokoine University of Agriculture with the University of Antwerp from Belgium

- I formulated a hypothesis, wrote a research proposal, presented my proposal to my research supervisor and other professors in the Wildlife Management department, and collected data on ground beetles in burned and unburned areas in the Kitulangalo forest reserve.
- I collected data and wrote reports for biological micro-projects during a tropical field class in

Udzungwa National Park.
- I obtained field experience with fauna, flora, and ecology of the National Parks in Tanzania in species identification, distribution, movements, behavioral patterns, habitats, and niches of its several mammal species.

Work Experience

Research Assistantship, Templeton Foundation Fall 2021, Summer & Fall 2022

Demystifying the Tangled Bank: A unified adaptive landscape theory for the emergence and maintenance of life.

Freelance Teacher, Researcher, and Guide April 2016 – June 2021

Dorobo Tours and Safaris Limited

- Teaching East African cultures and history to US University groups that have studied abroad semesters in Tanzania.
- Assisting University students doing research in the country to collect data.
- Leading Wildlife Safaris for tourists and US University student groups

Teaching Experience

- Teaching Assistant
  Introduction to Biology Labs Virginia Tech, Spring 2022

- Recipient of recognition from the Center for Excellence in Teaching and Learning
  Virginia Tech, May 2022

Publications

Tarimo, E*; White, E*; Bodensteiner, B; Munoz, M; and Uyeda, JC. Adaptation and constraints in endotherm and ectotherm body temperature evolution. In preparation for submission to Evolution.

Professional Memberships

- **Society for the Study of Evolution (SSE)**
- **Virginia Tech Memberships**
  - Biology Graduate Student's Association (BGSA)
  - Black Graduate Student's Organization (BGSO)
  - African Graduate Student Organization (AGSO)
- **Wildlife Students Association of Sokoine University of Agriculture (WISASUA)**
- **Wildlife Conservation Society of Tanzania**

Honors and Awards

- **Sendlebeck Graduate Student Fellowship**

Conference Presentations

- **Poster Presentation at the Evolution Conference**

  June 2022. **Elizabeth Daniel[1]***, Emma White[1], Martha Munoz[2], Brooke Bodensteiner[2], & Josef Uyeda[1] Adaptation and constraints in endotherm and ectotherm body temperature evolution.Poster. Evolution 2022, Cleveland, OH.

  June 2022. Alencar, LRV*; Dominguez-Guerrero, SF; Gade, M; **Daniel, ET**; Bodensteiner, BL; Uyeda, JC and M Munoz. Untangling the radiation of lizards (Pleurodonta) and the role of viviparity in driving species diversification. Poster. Evolution 2022, Cleveland, OH.

- **Invited Panelist at the International Women's Day Presentation**

  Our body, Ourselves Virginia Tech, May 2022

- Poster presentation at SACNAS NDiSTEM (Invitation declined) August 2022

Professional and Academic Interests

- Working in research institutions to compile and analyze biodiversity data in R programming software.
- Wildlife conservation and the means to preserve species and biodiversity by using computational models to study and predict their adaptation.
- Teach Evolutionary and Wildlife biology at a university.

Skills

- Knowledge of compiling biodiversity data, cleaning it, and analyzing it using computational models in R programming language.
- I have extensive knowledge of identifying East African wildlife and their natural history, vegetation and ecosystems, East African history, culture, and ethnic groups.
- Fluent in Swahili (native language) and English (written, oral, and reading proficiency)

References

Kenneth Clifton
Professor of Biology
Lewis & Clark College
clifton@lclark.edu

Nsajigwa Emmanuel Mbije
Department of Wildlife Management
Sokoine University of Agriculture
nmbije@gmail.com

Josef Uyeda
Evolutionary Biologist
Virginia Tech
juyeda@vt.edu