

Vikas Sarathy

Department of Ecology and Evolutionary Biology

University of Connecticut

Storrs, CT 06269-3043

Phone: (760)-212-6025

E-mail: vikas.sarathy@uconn.edu

EDUCATION

University of Connecticut. Storrs, CT. 2021-Present

Masters of Science, Ecology and Evolutionary Biology

Advisor: Dr. Carlos Garcia-Robledo

University of Connecticut. Storrs, CT. May 2019

Bachelor of Science, Ecology and Evolutionary Biology, Major GPA: 3.42 /4.00

Cumulative GPA: 3.04/4.00

PUBLICATIONS

Garcia-Robledo C, Baer CS, Lippert K, Sarathy V. Evolutionary history, not ecogeographic rules, explains size variation of tropical insects along elevational gradients. *Funct Ecol.* 2020;00:1–11.

<https://doi.org/10.1111/1365-2435.13666>

TEACHING EXPERIENCE

University of Connecticut

Graduate Teaching Assistant

BIO 1102 (Foundations of Biology)

2021—Present

RESEARCH EXPERIENCE

University of Connecticut

Molecular Entomologist

November 2018 — May 2019

Storrs, Connecticut

- Identified, organized and prepared various arthropod specimens to get them ready for DNA sequencing
- Sequenced DNA of various insect and mite species using polymerase chain reactions to measure arthropod diversity of *Costus* plants

- Extracted DNA using multiple techniques (Magnetic Bead, prepGEM) as well as using ExoSAP for clean up

Garcia-Robledo Lab

September 2017 — May 2019

Undergraduate Researcher

Storrs, Connecticut

- Organized and collected measurements on various phoretic mites removed from beetles from the genus *Cephalolia*, in order to determine the nature of their relationship
- Measured the relationship between leaf beetle size and elevation gradients in Costa Rica using Motic Images Plus 3.0
- Interpreted data using R to look for correlations between beetle size in relation to various elevational gradients within Costa Rica

OTHER EXPERIENCE

Smithsonian Institution National Museum of Natural History

May 2019 — August 2019

Department of Entomology Intern

Washington, D.C.

- Pulled insect specimens from field-collected samples at the level of superfamily and family for deposition into the National Insect Collection and use in research
- Collected insects in field for deposition into the National Insect Collection
- Prepared braconid Wasp specimens for making permanent mounts using Hexamethyldisilazane (HMDS) protocol

SKILLS

Arthropod Preservation, Insect Capture and Identification, DNA sequencing, Insect Mounting and Preparation

Microsoft Word, Microsoft Excel, Microsoft Powerpoint Adobe Photoshop, Adobe Illustrator, Motic Images Plus