

AMY V. VASQUEZ (*THEY/THEM*)

EDUCATION

Johns Hopkins University , Baltimore, MD <i>Master of Arts</i> Program: Earth and Planetary Sciences	December 2022
California State University - Los Angeles <i>Master of Science</i> Program: Environmental Science, Biology Track	May 2021
Tufts University , Medford, MA <i>Bachelor of Science</i> 1 st Major: Biopsychology 2 nd Major: Environmental Studies, Science Track	May 2018
Miami Dade College – North , Miami, FL <i>Associate of Arts</i> Major: Biology	May 2014

HONORS & AWARDS

Research Initiative for Scientific Enhancement (RISE) MS-to-PhD Training Fellowship	2019 – 2020
Emeriti Fellowship Fund	2019
Graduate Equity Fellowship	2019
The 50th Class Reunion Scholarship	2019
Benjamin A. Gilman International Scholarship	2017

GRANTS

JHU Earth & Planetary Sciences Graduate Summer Field Grant	2021
Society for Conservation Biology Graduate Research Grant	2019
Santa Monica Audubon Society Research Grant	2019

RESEARCH EXPERIENCE

Johns Hopkins University , <i>Graduate Research Assistant</i>	2020 – 2023
<ul style="list-style-type: none">• Led and conducted plant surveys in Baltimore residential yards, including: lawn quadrats, tree ID and dbh measurements, and shrub and flowering plant ID.• Used remote sensing and classification analysis to quantify vegetation and impervious cover in Baltimore city.• Helped collect soil macrofauna samples and conduct grassland plant ID at Konza Prairie LTER.• Extracted and quantified soil microbial DNA from Konza Prairie soil samples.• Helped take soil cores in Baltimore vacant lots and parks.• Analyzed plant community and soil property data using R.	

California State University-Los Angeles, Graduate Research Assistant 2018 – 2020

- Conducted repeated area search bird surveys in 60 parks across Los Angeles County.
- Recorded and transcribed bird foraging observations in parks.
- Identified, measured (diameter at breast height), and mapped all trees in parks within initial bird survey path.
- Analyzed survey data using R and used ArcGIS for spatial and remote sensing analysis.
- Produced a thesis research paper and presented project at a national conference.

California State University-Los Angeles, Graduate Research Assistant 2018 – 2019

- Perform and troubleshoot Polymerase Chain Reactions (PCR) and electrophoresis for sex determination of moss.
- Extract DNA from moss and soil samples for analysis.
- Assist lab graduate students with GIS applications for their research.
- Created and manage laboratory website.
- Complete general lab management tasks.

Tufts University, Research Assistant, Medford, MA 2017 – 2018

- Studied occluded action discrimination in pigeons using operant conditioning.
- Analyzed and interpreted data using R.
- Presented research in the form of a poster at conferences and symposia.
- Provided daily care of birds, including daily weighing, feeding, cleaning, and enrichment.
- Completed general lab maintenance tasks.

School for Field Studies, Student Researcher, Karatu, Tanzania Summer 2017

- Completed coursework in Wildlife Management and Conservation and in Field Research Techniques.
- Conducted vegetation and wildlife identification and sampling.
- Studied density and habitat preferences of wildlife species.
- Studied bird diversity and carnivore/ungulate behavior in Serengeti National Park.
- Gained skills in experimental design, hypothesis testing, and data gathering and analysis.

TEACHING EXPERIENCE

Johns Hopkins University, Teaching Assistant 2021 – 2023

Los Angeles Department of Parks & Rec., ESTEAM Curriculum Instructor Summer 2019

California State University-Los Angeles, Graduate Assistant 2018 – 2019

PUBLICATIONS

Vasquez AV and Wood EM. 2022. Urban parks are a refuge for birds in park-poor areas of cities. *Front. Ecol. Evol.* 10:958572. doi: 10.3389/fevo.2022.958572

PRESENTATIONS

Department Talk, Light, not Blight: An investigation into the microbial communities of Baltimore vacant lots, JHU Earth & Planetary Sciences Journal Club, Baltimore, MD, March 2023.

Department Talk, *Planting Resilient Cities: The ecological effects of race and wealth disparities in Baltimore*, JHU Earth & Planetary Sciences Journal Club, Baltimore, MD, February 2022.

Conference Talk, *The influence of urban park features and the surrounding cityscape on birds across a socioeconomic gradient*, Ecological Society of America Annual Meeting, Long Beach, CA, August 2021.

Poster Presentation, *Partially Occluded Action Discrimination in Pigeons*, International Conference on Comparative Cognition, Melbourne Beach, FL, April 2018.

PROFESSIONAL AFFILIATIONS

Ecological Society of America

Society for Advancement of Chicanos/Hispanics and Native Americans in Science

Society for Conservation Biology

PROFESSIONAL SERVICE

Women of Color in Ecology, Evolution, & Biology

Mentor, 2022

Johns Hopkins University, Department of Earth and Planetary Sciences

Graduate Student co-President, 2021-2022

Johns Hopkins University, Graduate Representative Organization

Department General Council Representative, 2020-2021

California State University-Los Angeles, Naturalist Club

Treasurer, 2019