



## Yingtong "Amanda" WU

Lecturer

Biology

 Curriculum Vitae available Online

### Bio

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#### BIO

I am a plant ecologist, botanist, and naturalist. I am broadly interested in microbial ecology, canopy ecology, and their intersections with the traditional ecological knowledge (TEK) of Native Americans. I completed my Ph.D. in Ecology, Evolution, and Systematics with the Ricklefs Lab at the University of Missouri - St. Louis. I am currently a postdoc researcher at the Fukami Lab, Stanford University, where I will be applying my analytical skills in microbial DNA sequencing to understand: (1) the community assembly of monkeyflower nectar microbes and (2) the effects of wildfires and prescribed burning on microbial communities associated with California oaks.

My previous and ongoing research projects include:

FIRES AND TRADITIONAL ECOLOGICAL KNOWLEDGE

SPECIES RANGE SIZES AND SPECIES RARITY

SOIL MICROBIAL COMMUNITIES

SPECIES DELIMITATION AND GENE FLOW

CANOPY ECOLOGY

#### ACADEMIC APPOINTMENTS

- Lecturer, Biology

#### PROFESSIONAL EDUCATION

- Ph.D., University of Missouri-St. Louis , Ecology, Evolution, and Systematics (2022)
- B.Sc., Sun Yat-Sen University , Life Sciences (2017)

#### LINKS

- Research website: <https://awu-blog.weebly.com/>
- Google Scholar: <https://scholar.google.com/citations?user=iDzuTTQAAAAJ&hl=en>
- Twitter: <https://twitter.com/AmandaYTWu>
- LinkedIn: <https://www.linkedin.com/in/yingtong-amanda-wu-48939021b/>

### Teaching

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#### COURSES

2023-24

- Climate Change Biology and Species Responses: BIO 20S (Sum)
- Evolution: BIO 85 (Win)
- Introduction to Ecology: BIO 81 (Aut)
- Introduction to Research in Ecology and Evolutionary Biology: BIO 46 (Win)
- Introduction to Research in Ecology and Evolutionary Biology: BIO 47 (Spr)
- Introduction to Research in Ecology and Evolutionary Biology: EARTHSYS 46 (Win)
- Introduction to Research in Ecology and Evolutionary Biology: EARTHSYS 47 (Spr)