

Thomas Zambiasi – Curriculum Vitae

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Research Interests

- Biodiversity, stability, and response to climate change in plant communities
- Biotic homogenization

Education and Training

2022-Present Indiana University. Evolution, Ecology, and Behavior PhD Program.
Advisor: Jennifer Lau, PhD.

2017-2021 B.S., Plant Biology. Michigan State University.
Spanish Minor. Honors College Member.

Work Experience

2022-Present Student Academic Appointee. Department of Biology, Indiana University.

2021-2022 Research Technologist. Great Lakes Bioenergy Research Center,
Michigan State University. PI: David Lowry, PhD.

2020-2021 Undergraduate Researcher. Michigan State University. PI: David Lowry,
PhD.

- Quantified height phenotype variation in coastal perennial *M. guttatus* along a latitudinal gradient to assess coexistence of ecotype and clinal local adaptation.

Summer 2020 *Accepted, but cancelled due to Covid-19 pandemic*
Undergraduate Researcher. Cornell Summer Research Scholars Program.
Cornell University – Cornell AgriTech. PI: Larry Smart, PhD.

Summer 2019 Undergraduate Researcher. MSU Plant Genomics REU. Michigan State
University. PI: Marjorie Weber, PhD.

- Investigated occurrence of pearl bodies within *Vitis* as a potential indirect defense attracting mutualistic mites.

2018-2019 MSU Honors College Professorial Assistant. Michigan State University.
PI: Marjorie Weber, PhD.

- Assisted with ongoing projects quantifying domatia traits of *P. serotina* herbarium specimens and censusing powdery mildew in *Vitis* populations.
- Investigated reduction in *T. laxum* outcrossing rates in the context of pollinator community shifts and wildfire.

Publications

Zambiasi, T. and Lowry, D. B. A cline within an ecotype of the yellow monkeyflower, *Mimulus guttatus*. *In review*

Teaching

- Fall 2023 Field & Laboratory Ecology BIOL-L474, Indiana University. Assistant Instructor. Lead Instructor: Tara Darcy, PhD.
- Fall 2022 Biology Laboratory BIOL-L133, Indiana University. Assistant Instructor. Lead Instructors: Alissa Anderson, PhD and Karen Whitworth, PhD.

Outreach

- Summer 2023 GEMS Summer Professional Development Institute, University of Illinois Urbana-Champaign
- Fall 2022/23 Contributed script (“Sowing the seeds of future conservation”) to *A Moment of Science* radio program, Indiana Public Media

Presentations

- 2021 UURAF, Michigan State University, oral presentation; “Variation in phenotypic traits with latitude within the coastal perennial ecotype of *Mimulus guttatus*”.
- 2019 MSU Plant Genomics REU Final Symposium, oral presentation; “Do pearl bodies in grape plants (*Vitis spp.*) attract and feed beneficial mites?”
- 2019 MID-SURE, Michigan State University, poster presentation; “Do pearl bodies in grape plants (*Vitis spp.*) attract and feed beneficial mites?”
- 2019 UURAF, Michigan State University, poster presentation; “Disentangling post-fire impacts on pollination success of *Trichostema laxum*”.

Awards

- 2022 College of Arts & Sciences Graduate Fellowship (\$13,750). Indiana University.
- 2021 Award for Outstanding Senior in Plant Biology. Department of Plant Biology. Michigan State University.

Additional Skills

- Fluent in Spanish
- Proficient in R