

CHING-LIN HUANG

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EDUCATION

- Ph.D., Ecology, Evolution, and Behavior, University of Minnesota, Twin Cities** 2024-
Advisors: Dr. Allison K Shaw
- M.S., Institute of Ecology and Evolutionary Biology, National Taiwan University, Taipei, Taiwan** 2020-2023
Thesis title: "*Disentangling ecological processes underlying the metacommunity by integrating several analytical methods*"; Advisors: Dr. David Zelený
- B.S., Department of Mathematics, National Taiwan University, Taipei, Taiwan** 2016-2020

PUBLICATIONS AND CONFERENCES

Manuscripts

- **Huang, C.-L.**, Zelený, D., Chang-Yang, C.-H. (2023) "Integrating several analytical methods to assess strength of ecological processes behind metacommunity assembly." *Oikos*, e10166, <https://doi.org/10.1111/oik.10166>
- **Huang, C.-L.**, Wan, J., Ke, P.-J., Wei, S., Chang-Yang, C.-H. (Accepted in *Plant and Soil*) "Plant–soil feedback persists beyond host death to shape density-dependent plant competition."

Conferences

- **Huang, C.-L.**, Zelený, D. (2022) "How well do available methods quantify the importance of assembly processes in ecological community data: a simulation approach." The 10th Biennial conference of the International Biogeography Society
- **Huang, C.-L.**, Shaw, A. (2025) "Frugivore-plant interactions affect plant population persistence and spreading speed, mediated by an Allee effect". Ecological Society of American 2025 Annual Meeting
- **Huang, C.-L.**, Shaw, A., Wright, A. (2025) "Species-driven microhabitat modifications influence coexistence and productivity under resource competition". Society for Modeling & Theory in Population Biology 2026 Meeting

AWARDS

- Honorable Mention of Lotka Award in ESA 2025

WORKING EXPERIENCE

Research assistant

- **Stanton Lab, University of Minnesota, Twin Cities** PI: Dr. Daniel Stanton Fall 2025
- **Ke Lab, National Taiwan University** PI: Dr. Po-Ju Ke 2023-2024

Part-time research assistant

- **Vegetation Ecology Lab, National Taiwan University** PI: Dr. David Zelený 2020-2022

Teaching assistant

- **Ecology: Theory and Concept** Lecturer: Dr. David Tilman Fall 2025
- **Introduction to Theoretical Ecology ([Course Link](#))** Lecturer: Dr. Po-Ju Ke Fall 2022
- **Numerical Methods in Community Ecology** Lecturer: Dr. David Zelený Spring 2022
- **General Botany Lab** Lecturer: Dr. Fen-Ming Lee Fall 2021
- **Introduction to R for Ecologists** Lecturer: Dr. David Zelený Fall 2020
- **Calculus** Lecturer: Dr. Ya-Ju Tsai Fall 2019- Spring 2020

FUNDING

EEB Career Development Funding (\$2,000)	Spring 2025
EEB Research Funding (\$1,500)	Summer 2025, 2026
EEB Travel Funding (\$900)	Summer 2025, 2026
SMTPB Conference Lodging Support	Summer 2026

OTHER EXPERIENCE

Journal manuscript referee

- *Journal of Vegetation Science* (1 review)

Selected field survey and greenhouse experience

- Bio3D greenhouse experiment	2025
- Plant–soil feedback density gradient experiment	2023–2024
- Overstory and understory composition survey and leaf traits collection in fog frequency gradient transect in Northern Taiwan	2021-2022
- Leaf trait collection, and seedling survey in Fushan Forest Dynamics Plot	2019-2020
- Tree census in Lalashan Forest Dynamics Plot	2019-2020
- Tree and seedling census in Kenting Forest Recreation Area	Summer 2019
- Tree census in Fushan Forest Dynamics Plot	Winter 2019