

Xinyi Yan

xinyiyan@utexas.edu | <https://xinyi-yan.github.io/>

Education

2020 – present: University of Texas at Austin, PhD program in EEB (expected 2025)

- Co-advised by Caroline Farrior and Amelia Wolf

2016 - 2020: University of California, Los Angeles, B.S. (Magna Cum Laude)

- in Applied Mathematics
- in Biology (Departmental Highest Honors)

Fellowships and Awards

2020 UT Austin Enhanced Support Fellowship (\$31000, one year)

2019 CALeDNA Summer Research Internship, UCLA (\$3000)

2019 First Place poster at EEB Annual Biology Research Symposiums, UCLA (\$100)

2018 Undergraduate Research Fellow, UCLA (\$2000)

Peer Reviewed Publication

Kandlikar, G., **Yan, X.**, Levine, J. M., & Kraft, N. J. (2020). Quantifying microbially mediated fitness differences reveals the tendency for plant-soil feedbacks to drive species exclusion among California annual plants. Accepted at *American Naturalist*.

Kandlikar, G. S., Johnson, C. A., **Yan, X.**, Kraft, N. J., & Levine, J. M. (2019). Winning and losing with microbes: how microbially mediated fitness differences influence plant diversity. *Ecology Letters*. doi: [10.1111/ele.13280](https://doi.org/10.1111/ele.13280).

Presentations

YAN, X., Kandlikar, G.S., Levine, J. M., & Kraft, J.B. (2020, August). Evaluating the microbial effect on the pairwise and community-wide coexistence of California annual species. In *2020 ESA Annual Meeting* (August 3--6). ESA.

KANDLIKAR, G. S., Cowen, M., Hayashi, K., McGuire, R. Vaz, M.C., & **Yan, X.** (2020, August). Interactive web-apps for theoretical ecology active-learning modules. In *2020 ESA Annual Meeting* (August 3--6). ESA.

SHI, J.*, **YAN, X.***, Kandlikar, G.S., & Kraft, N.J. (2019, May). Evaluating Microbial Influence on Plant Coexistence: Theory and Experiment. In *2019 Undergraduate Research Poster Day & Annual Biology Research Symposium*, UCLA. (**First Prize**)

*authors contributed equally to this work

KANDLIKAR, G. S., Johnson, C. A., **Yan, X.**, Kraft, N. J., & Levine, J. M. (2019, August). How microbially mediated fitness differences influence plant diversity. In *2019 ESA Annual Meeting* (August 11--16). ESA.

YAN, X., Kandlikar, G.S., & Kraft, J.B. (2018, May). Resource Competition and Plant-Microbe Interactions Can Jointly Influence Plant Species Coexistence. In *2018 Undergraduate Research Poster Day & Annual Biology Research Symposium*, UCLA.

Research and Instruction Experiences

Glendale Learning Program: Curriculum/Education Director (2017 - 2020)

- Created quizzes and worksheets according to California middle school curriculum standards.
- Gave weekly customized instructions and homework help

UCLA Mildred E. Mathias Botanical Garden: Volunteer Docent (2018 - 2020)

- Lead educational garden tours for school and adult groups (10-15 people).

Biomedical Research Library, UCLA: *Instructional Design Assistant* (2019 - 2020)

- Collaborated to create multi-media [research and writing learning modules](#).

CALeDNA, UCLA: *Summer Research Intern* (summer 2019)

- Received training on environmental DNA sampling, sequencing, and analysis.
- Conducted data analysis of the PSF experiment with Kraft Lab.

Institute of Botany Jiangsu Province and Chinese Academy of Sciences,

Nanjing Botanical Garden Mem Sun Yat-Sen: *Herbarium Intern* (summer 2018)

- Classified and organized plant specimens by families. Handled over 3000 specimens of 34 families.