

Xianyu Yang

East China Normal University
500 Dongchuan Rd, Shanghai, China 200241
• 31-620006570 • xianyu_yang@126.com
• <https://orcid.org/0000-0002-7796-986X>

Areas of Emphasis

Tree Demography, Life-History Strategies, Species Diversity, Species Range Limits, Forest Dynamics, Ecological Restoration

Education & Training

Visiting Scholar (Advisor: Prof. [Pieter Zuidema](#)) **2023.07 – 2023.9**

Department of Environmental Sciences, Wageningen University & Research, Netherlands

PhD in Ecology (Supervisor: Prof. [Jian Zhang](#)) **2018.09 – 2023.07**

School of Ecological and Environmental Sciences, East China Normal University, China

Thesis: The Effects of Population Dynamics on Maintaining Tree Distribution Patterns and Diversity

Visiting PhD Student (Supervisor: Prof. [Amy Angert](#)) **2021.03 – 2022.03**

Biodiversity Research Center, University of British Columbia, Canada

Master in Physical Geography (Supervisor: Prof. [Shouzhong Li](#)) **2015.09 – 2018.07**

School of Geographical Science, Fujian Normal University, China

Thesis: Demographic Strategies and Population Dynamic of *Pinus Massoniana* in Response of Logging in Changting Erosion Region

B.Sc. in Geography Science **2011.09 – 2015.07**

School of Geographical Science, Chizhou University, China

Grants and Awards

- Excellent Doctoral Dissertation Award, East China Normal University **2023**
- Excellent Poster Award, The 14th National Conference on Biodiversity Science and Conservation **2022**
- The Best Student Paper Award, Sino-Ecologists Association Overseas **2022**
- The Chinese Government Scholarship **2020**

Publications (*: Corresponding author)

Working papers

- **Yang, X.**, Angert, A.L., Zuidema, P.A. Santos, S.G., Lyu, S., Zhang, J.* Tropical forest tree species coexistence along the demographically buffered-to-labile life history axis. (prepared to submit to *Science Advances*)

Published papers

- Wang, J., **Yang, X.***, Santos, S.G., Ning, H., Li, T., Zhao, W., Si, X., Lu, S., Li, S.* (2023). Flexible demographic strategies promote the population persistence of a pioneer conifer tree (*Pinus massoniana*) in ecological restoration. *Forest Ecology and Management*, 529, 120727.
- **Yang, X.**, Angert, A.L., Zuidema, P.A. He, F., Huang, S., Li, S., Li, S.L., Chardon, N.I., Zhang, J.* (2022). The role of demographic compensation in stabilising marginal tree populations in North America. *Ecology Letters*, 25, 1676-1689.
- Feng, L., Sun, J., El-Kassaby, Y.A., **Yang, X.**, Tian, X., Wang, T*. (2022). Predicting potential habitat of a plant species with small populations under climate change: *Ostrya rehderiana*. *Forests*, 13: 129.
- Zhao, W., Li, T., Cui, Y., Huang, J., **Yang, X.***, Li, S.* (2021). Demographic performance of a pioneer tree species during ecological restoration in the soil erosion area of southeastern China. *Global Ecology & Conservation*, 32, e01936.
- Wang, X., Li, S.*, Huang, S., Cui, Y., Fu, H., Li, T., Zhao, W., **Yang, X.** (2021). *Pinus massoniana* population dynamics: Driving species diversity during the pioneer stage of ecological restoration. *Global Ecology and Conservation*, 27, e01593.
- **Yang, X.**, Li, S., Shen, B., Wu, Y., Sun, S., Liu, R., Zha, R., Li, S.* (2018). Demographic strategies of a dominant tree species in response to logging in a degraded subtropical forest in Southeast China. *Annals of Forest Science*, 75, 84.
- **Yang, X.**, Li, S.*, Song T., Wang, C., Liu, C., Wu, Y., Ning, Q., Jiang., L. (2018). Population dynamics of *Pinus massoniana* in the logged forestland of Changting's eroded and degraded region. *Acta Ecologica Sinica*, 38, 3175-3182. (In Chinese)

Scientific Experience

Participated Funds:

- 2018-2023 Research Grant from NSFC (Natural Science Foundation of China) on biodiversity along elevational gradients (PI: Jian Zhang)
- 2015-2018 Research Grant from NSFC (Natural Science Foundation of China) on population dynamics and maintenance mechanisms of pioneer species in subtropical red soil hilly region (PI: Shouzhong Li)

Manuscript Review: Global Ecology and Biogeography, Journal of Ecology

Conferences & Workshops

Presenter and Poster, The 14th National Conference on Biodiversity Science and Conservation, December 2022, Shanghai, China

Participant, The 10th Biennial Conference of the International Biogeography Society, June 2022, Vancouver, Canada

Participant, The Workshop of Integral Projection models, January 2019, Xishuangbanna, China

Participant, The 2nd Summer School on Biodiversity Research Methods: Advances and Frontiers, September 2018, Shanghai, China

Poster, The 13th National Conference on Biodiversity Science and Conservation, August 2018, Inner Mongolia, China

References

Prof. [Jian Zhang](mailto:jzhang@des.ecnu.edu.cn) (jzhang@des.ecnu.edu.cn)

School of Ecological and Environmental Sciences, East China Normal University, China

Prof. [Pieter Zuidema](mailto:pieter.zuidema@wur.nl) (pieter.zuidema@wur.nl)

Department of Environmental Sciences, Wageningen University & Research, Netherlands