

Heng Yu

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EDUCATION BACKGROUND

- 2023 – now **South China Botanical Garden, Chinese Academy of Sciences, Guangzhou, China**
Doctor of Philosophy
Major: Ecology
Research interests: Effects of long-term nitrogen addition on the soil–plant Si cycle and phytolith-occluded carbon sequestration in a subtropical forest
- 2020 – 2023 **Fujian Normal University, Fuzhou, China**
Master of Science
Major: Ecology
Research interests: Effects of warming and recent photosynthates input changes on soil microbial respiration in a subtropical forest
- 2015 – 2019 **Hubei University of Science and Technology, Xianning, China**
Bachelor of Science
Major: Geographical Science
Research interests: Response of soil fertility to vegetation restoration in Southeast China

HONORS/SCHOLARSHIPS/PRIZES

- 2023 Outstanding Graduates Awards
- 2021 The First Prize Scholarship
- 2016 Merit Student

PUBLICATIONS

- [1] **Yu H**, de Tombeur F, Chen Y, Lu XF, Lai Y, Wang ZH, Kuang YW (2026) Distinct effects of long-term canopy and understory nitrogen addition on soil silicon forms in a subtropical forest. *Geoderma*: 117714.
- [2] **Yu H**, Qin ZF, de Tombeur F, Lambers H, Lu XF, Lai Y, Kuang YW (2025) Atmospheric N deposition: what impacts on silicon dynamics in a subtropical forest? *Plant and Soil* 509: 433-448.
- [3] **Yu H**, Xu C, Zhang WQ, Zhou JC, Chen SD, Xiong DC, Liu XF, Yang ZJ (2022) Effects of management on the content and spectral characteristics of soil dissolved organic carbon in a subtropical forest. *Chinese Journal of Applied Ecology* 33: 2146-2152.
- [4] Sun ZM, Zhang LL, **Yu H**, Lai Y, Zhang H, Liu Y, Wang J, Kuang YW (2025) Nighttime warming impedes invasion of *Chromolaena odorata* into tropical coral islands. *Journal of Environmental Management* 393:126991.
- [5] Lu XF, **Yu H**, Gilliam FS, Yue X, Huang JC, Tang SB, Kuang YW (2024) Contrasting responses of soil organic carbon dynamics to long-term canopy and understory nitrogen addition in a subtropical forest. *Catena* 247: 108536.
- [6] Lu XF, Iqbal R, Tang SP, **Yu H**, Yue X, Kuang YW (2025) Nitrogen inputs decelerate biological silicon cycling in a Chinese *Zelkova* plantation. *Forest Ecology and Management* 594: 122984.