



Langlang Li

Postdoctoral Scholar, Earth System Science

Bio

BIO

Langlang's research primarily focuses on environmental geochemistry and biogeochemistry, with an emphasis on carbon and nutrient cycling in terrestrial environments, e.g., plant–mineral interactions, chemical weathering, and soil processes across the critical zone. During his Ph.D., Langlang investigated how deep roots facilitate bedrock weathering, regulate nutrient acquisition, and influence hydrologically driven solute transport in mountainous watersheds. Langlang's current postdoctoral research focuses on biochar-based carbon management and the role of biochar in nutrient availability and supply, with implications for plant productivity and long-term ecosystem sustainability.

PROFESSIONAL EDUCATION

- Ph.D., University of California Berkeley , Earth and Planetary Science (2026)
- M.S., Peking University , Environmental Science (2020)
- B.E., Hunan Agricultural University , Environmental Engineering (2017)

STANFORD ADVISORS

- Kate Maher, Postdoctoral Faculty Sponsor

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Environmental geochemistry, hydrology, and plant nutrient supply