CURRICULUM VITAE

Personal information

Name: Siyi Tan
Gender: Female
Date of birth: January 12, 1996
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Academic experience

09/2020 – present Ph.D. major in Physical geography
Institute of Geographical Sciences
Fujian Normal University

07/2019 – 08/2020 Lab Assistant
Institute of Geographical Sciences
Fujian Normal University

09/2017 – 06/2019 College of forestry, Institute of Ecology & Forestry
Sichuan Agricultural University
Degree: Master of Agriculture
Major: Forest cultivation

09/2013 – 06/2017 College of forestry, Sichuan Agricultural University
Degree: Agriculture Bachelor
Major: Forestry

Research topic

My main research topic is the ecology of precipitation chemistry, forest hydrology and their elements fluxes of precipitation from canopy to the phreatic surface which involves:

(1) The effect of canopy on elements exchange and pollutant filtration from precipitation deposition in forest ecosystem.
(2) Seasonal dynamical of chemical elements of water in stemflow, litter layer and soil layer.

I will concentrate on the effect of forest ecosystem on the filtration of atmospheric deposition by forest ecosystems, and the interactions of biology and environment delivered by water, emphasizing the ecological significance.

ADVISORS

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Publications in peer reviewed journals

Siyi Tan, Xiangyin Ni, Kai Yue, Shu Liao, Fuzhong Wu. Increased precipitation differentially changed soil CO_2 efflux in arid and humid areas. Geoderma. 2021 (accepted)

Xiangyin Ni, Shu Liao, **Siyi Tan**, Yan Peng, Dingyi Wang, Kai Yue, Fuzhong Wu, Yusheng Yang. The vertical distribution and control of microbial necromass carbon in forest soils. Global Ecology and Biogeography. 2020 (accepted)

Shu Liao, **Siyi Tan,** Yan Peng, Dingyi Wang, Xiangyin Ni, Kai Yue, Fuzhong Wu, Yusheng Yang. Increased microbial sequestration of soil organic carbon under nitrogen deposition over China's terrestrial ecosystems. Ecological Processes. 2020 (accepted)

Siyi Tan, Hairong Zhao, Wanqin Yang, Bo Tan, Kai Yue, Yu Zhang, Fuzhong Wu, Xiangyin Ni. Forest Canopy Can Efficiently Filter Trace Metals in Deposited Precipitation in a Subalpine Spruce Plantation. Forests. 2019 (accepted)

Siyi Tan, Hairong Zhao, Wanqin Yang, Bo Tan, Xiangyin Ni, Kai Yue, Yu Zhang, Fuzhong Wu. The effect of canopy exchange on input of base cations in a subalpine spruce plantation during the growth season. Scientific reports. 2018 (accepted)
