

Shuai Li

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Education

University of Florida	Geography(Climate Modeling and Data Fusion)	Ph.D.,2024-present
University of Wyoming	Ecology (Ecosystem Science and Managemnt)	Ph.D., 2023-2024
Chengdu University of Technology	Geography (Human Settlements and Urban Rural Planning)	M.S., 2022
Zhengzhou Normal University	Geography Science	B.S., 2019

Academic Appointment

Research Assistant GeoDi Lab, Department of Geography, University of Florida.	2024 - present
Research Assistant Wyoming Geographic Information Science Center, University of Wyoming.	2023 - 2024

Research Experience

1. NASA EPSCoR

Quantifying Effects of Land Cover Change-Climate Interaction on Ecosystem Productivity Over Western North America

2. Philosophy and Social Sciences Research Fund of Chengdu University of Technology (YJ2021-YB023)

Research on the construction of ecological security pattern in Chengdu-Chongqing urban agglomeration

3. Key Laboratory Project of Beijing Bamboo Science and Technology Open Fund (ICBR-2020-16)

Study on carbon and water utilization efficiency of southern bamboo forest ecosystem

4. Sichuan Provincial Department of Natural Resources Project (FZC2020004-6)

Risk investigation and evaluation of geological hazards in Pengzhou City, Sichuan Province

5. Key Research Project of National Park Research Center (GJGY2019-ZD003)

Simulation and prediction of ecological landscape pattern evolution in giant panda National Park

6. Hebei Key Laboratory of Wetland Ecology and Protection Open Fund (hklk201902)

Study on wetland ecological process in Beijing Tianjin Hebei region under the action of environmental geology

7. Geological Survey Project of Sichuan Province (DD20190542)

1:250000 ecological and geological survey of Mianning County, Liangshan Prefecture

Awards

Excellence Award	Chengdu University of Technology	2020-2021
Academic scholarship	Chengdu University of Technology	2020.11
Academic scholarship	Chengdu University of Technology	2019.11

Publications In Prep/Under review

Shuai Li, Yaqian He *, Di Yang*, et al. Land Cover Change Alleviated Extreme Temperature but Exacerbated Drought Risk in the ABoVE Domain. *Environmental Research Letters*. In Prep

Shuai Li, Di Yang *, Yaqian He*, et al. Land Cover Change-Climate Interactions Amplified the Diminishment of Spring Ecosystem Productivity in the Arctic-Boreal Region. *Geophysical Research Letters*. Under review

Publications

Shuai Li, Haiyu Ma*, Di Yang*, et al. The Main Drivers of Wetland Evolution in the Beijing-Tianjin-Hebei Plain. *Land*. 2023, 12(2), 480.

Shuai Li, Zhongyun Ni*, Yinbing Zhao, et al. Susceptibility Analysis of Geohazards in the Longmen Mountain Region after the Wenchuan Earthquake. *International Journal of Environmental Research and Public Health*. 2022, 19(6), 3229.

Yi Liu, Zhongyun Ni*, Yinbing Zhao, Guoli Zhou, Yuhao Luo, **Shuai Li**, et al. Spatial-Temporal Evolution and Driving Forces of Drying Trends on the Qinghai-Tibet Plateau Based on Geomorphological Division. *International Journal of Environmental Research and Public Health*. 2022, 19(13), 7909.

Zhongmin Xiong, Haiyu Ma, **Shuai Li**. Summary of the Application and Prospect Analysis of Knowledge Graphs in the Marine Field. *Computer Engineering and Applications (Chinese)*. 2022, 58(03), 15-33.

Wei Hu, Haixia Lu, **Shuai Li**. Temporal and Spatial Change Analysis of Sentiment of Study Travelers Based on Python Data. *Journal of Baicheng Normal University (Chinese)*. 2021, 35(05), 84-92.

Teaching Experience

Google Earth Engine Workshop

2023.11

- Overview of GEE
- Basic operation and application of GEE

Conference Presentation

Di Yang, **Shuai Li**, Yaqian He, Nicholas Parazoo. Counteracting Climate Change: How Land Cover Shifts Regulate Temperature in the Vulnerable ABoVE Domain. 11th International Carbon Dioxide Conference (ICDC11), Manaus, Amazonas, Brazil. Poster Presentation.

Shuai Li, Di Yang, Yaqian He. Regional Climate Effects of Long-term Land Cover Change: A Case Study in the ABoVE Domain. 2024 AAG Annual Meeting, Honolulu, Hawai'i, USA. Oral Presentation.

Shuai Li, Di Yang, Yaqian He, Nicholas C Parazoo. Land Cover Change-Climate Interactions Amplified the Diminishment of Spring Ecosystem Productivity in the Arctic-Boreal Region. AGU24 Annual Meeting, Washington, D.C., USA. Oral Presentation.