



Postdoctoral Scholar at the Ohio State University in Vegetation Modeling

One Postdoctoral Scholar Position in the School of Earth Sciences at the Ohio State University is open for application. The position is full-time and 100% supported for two years, renewed annually with possibility of extension, contingent upon performance and funding. Salary is competitive and commensurate with experience in related research. The expected start date ranges from **June 1, 2022 to January 1, 2023**. However, a sooner start date is preferred. The position is open till filled.

Summary: The successful candidate will work with the Ecohydrology Group led by Dr. Yanlan Liu at the Ohio State University (<https://go.osu.edu/ecohydrology>). Liu's group uses process-based models, field and remote sensing data, statistics, and machine learning to address how plant-water interactions affect ecosystem functions and natural resources sustainability. This recruitment targets at the following specific directions:

- Plant ecophysiological responses and feedback to droughts
- Vegetation demographic shifts in Arctic-Boreal regions under climate change
- Vegetation recovery after fire and drought disturbances
- Model-data fusion of satellite observations with Earth system models

Qualifications: Applicants should have a Ph.D. or expect to receive a Ph.D. by the start date in environmental science, environmental engineering, earth science, hydrology, forestry, geophysics, statistics, computer science, or a closely related field. Strong programming skills (e.g., Python, R, Matlab, C/C++, Fortran in the Linux environment) and experience in big data analytics are required. Research experience in at least one of the following is highly preferred: land surface modeling, hydrological modeling, dynamic vegetation modeling, and plant hydraulics.

Application Process: To ensure full consideration, qualified candidates should send a CV with publication record and contact information of three references via email to liu.9367@osu.edu. Qualified applications will be reviewed upon receiving. For further information, please contact Dr. Yanlan Liu via the email above.