Xiangmin Sun
Curriculum Vitae

Institute of Agriculture and Natural Resources
University of Nebraska–Lincoln
Lincoln, NE. US 68503
✆ *(979) 204 5235*
✉ *xsun25@unl.edu*
github: sunxm19

Work experience

2024.07 —	**Research Assistant Professor**, *University of Nebraska–Lincoln*, Lincoln, NE. Institute of Agriculture and Natural Resources
2023.04—2024.06	**PostDoc**, *Arizona State University*, Tempe, AZ. School of Sustainable Engineering and the Built Environment
2020.04—2023.01	**PostDoc**, *University of Illinois at Urbana-Champaign*, Urbana, IL. Institute for Sustainability, Energy, and Environment

Education

2013.09—2019.12	**Doctor of Philosophy**, *Texas A&M University*, College Station, Texas. Ecosystem Science and Management
2008.09—2011.06	**Master of Science**, *Chinese Academy of Sciences*, Beijing & Chengdu, China. Environmental Sciences
2003.09—2007.06	**Bachelor of Engineering**, *Lanzhou University*, China. Hydrology and Water Resources Engineering

Publications

Xiangmin Sun, Bradford P. Wilcox, Chris B. Zou, Elaine Stebler, Jason B. West, and Briana Wyatt. Isotopic partitioning of evapotranspiration in a mesic grassland during two wetting–drying episodes. *Agricultural and Forest Meteorology*, 301-302:108321, 2021

Xiangmin Sun, Chris B. Zou, Bradford Wilcox, and Elaine Stebler. Effect of vegetation on the energy balance and evapotranspiration in tallgrass prairie: A paired study using the eddy-covariance method. *Boundary-Layer Meteorology*, 170(1):127–160, Jan 2019

Xiangmin Sun, Bradford P. Wilcox, and Chris B. Zou. Evapotranspiration partitioning in dryland ecosystems: A global meta-analysis of in situ studies. *Journal of Hydrology*, 576:123 – 136, 2019

Genghong Wu, Kaiyu Guan, Chongya Jiang, Hyungsuk Kimm, Guofang Miao, Xi Yang, Carl J. Bernacchi, **Xiangmin Sun**, Andrew E Suyker, and Caitlin E. Moore. Can upscaling ground nadir sif to eddy covariance footprint improve the relationship between sif and gpp in croplands? *Agricultural and Forest Meteorology*, 338:109532, 2023

Presentations (recent)

Sun, X, Enrique Vivoni, Eli Perez-Ruiz, Quincy Stewart, and Stevan Earl. Examining long-term dynamics and budgets of co2 flux dynamics in a suburban community in phoenix, arizona. In *AGU Fall Meeting Abstracts*, 2023

Sun, Xiangmin, Carl J. Bernacchi, Taylor L. Pederson, Evan DeLucia, and Kaiyu Guan. Eddy covariance measurements of greenhouse gas fluxes (co2, ch4, and n2o) in commercial corn-soybean agroecosystems. In *AmeriFlux Annual Meeting*, Michigan, September 2022

Awards & Grants

2023   FLUXNET Seminar Fund for early-career network
2016   Travel Fund for CUAHSI/NASA Remote Sensing Hydrology Workshop
2015   The Texas Water Resources Institute (TWRI) - Mills Scholarship Program
2015   Office of Graduate and Professional Studies at TAMU - Presentation Grant
2013   Sid Kyle Graduate Merit Assistantships

Teaching Assistant

Fundamentals of Ecology Lab   *2015 Spring-2016 Fall*
GIS for Resources Management   *2017 Spring-2019 Spring*

Service & Membership

- FLUXNET N2O/CH4 task Committee, 2023 - present
- FLUXNET Early Career Scientist Network Committee, 2021 - present
- Reviewer for *agricultural and forest meteorology*, *Hydrological Processes*
- *American Geophysical Union (AGU)* member, 2015 - present
- Member of the organizing committee for Ecological Integration Symposium at Texas A&M University, 2017

Workshop and Training

- Eddy Covariance Training Workshop, Lincoln, Nebraska, 2016
- Data Scientist with R, Datacamp
- Open Source for Open Science workshop, College Station, Texas, 2017