

IDENTIFYING INFORMATION:

NAME: Lin, Xiaomao

ORCID iD: <https://orcid.org/0000-0002-0804-7853>

POSITION TITLE: Professor, Kansas State Climatologist

PRIMARY ORGANIZATION AND LOCATION: KSU, Manhattan, Kansas, United States

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
U. of Nebraska, Lincoln, Nebraska, United States	PHD	08/1999	Ag. Met.
China Agricultural U., Beijing, Beijing, China	MS	08/1991	Ag. Met.
U. of Info. Tech., Chengdu, Sichuan, United States	BENG	08/1986	Electrical Eng.

Appointments and Positions

2022 - present	Professor, Kansas State Climatologist, KSU, Manhattan, Kansas, United States
2013 - 2021	Assist. to Assoc. Professor, KSU, Manhattan, Kansas, United States
2009 - 2013	Senior Scientist, LI-COR Biosciences Inc., Lincoln, Nebraska, United States
2008 - 2009	Instrumentation Scientist, Campbell Scientific Inc., Logan, Utah, United States
2002 - 2008	Res. Asst. Professor, U. of Nebraska, Lincoln, Nebraska, United States
2000 - 2001	Post-Doc Fellow, U. of Missouri, Columbia, Missouri, United States
1992 - 1995	Lecturer, China Agricultural U., Beijing, Beijing, China
1991 - 1991	Visiting Lecturer, China Meteorological Administration, Beijing, Beijing, China
1986 - 1988	Teaching Assistant, China Agricultural U., Beijing, Beijing, China

Products**Products Most Closely Related to the Proposed Project**

1. Zhao H, Yang H, Avenson TJ., Sassenrath GF., Kirkham M, Welch SM., Zhang L, Wan N, Nelson AM., Gowda P, Lin* X. Nonlinear contributions of surface solar brightening to maize yield gains in the US Corn Belt. *Agricultural and Forest Meteorology*. 2024 September 15; 356:110169. Available from: <https://doi.org/10.1016/j.agrformet.2024.110169>
2. Zhang L, Zhao H, Wan N, Bai G, Kirkham MB., Neilsen-Gammon JW., Avenson TJ., Lollato R, Sharda V, Gowda PH., Lin* X. An unprecedented fall drought drives Dust Bowl-like losses associated with La Niña events in US wheat production. *Science Advances*. 2024 July 31; 10(31):1-8.
3. Wan N, Lin X, Pielke Sr. RA., Zeng X, Nelson AM.. Global total precipitable water variations and trends over the period 1958–2021. *Hydrology and Earth System Sciences*. 2024 May 15; 28(9):2123-2137.
4. Wan N, Xiong XJ., Kluitenberg G, Hutchinson J, Aiken R, Zhao H, Lin* X. Estimation of biomass burning emission of NO₂ and CO from 2019–2020 Australia fires based on satellite observations. *Atmospheric Chemistry and Physics*. 2023 January 17; 23(1):711-724. Available from: <https://doi.org/10.5194/acp-23-711-2023>
5. Zhao H, Zhang L, Kirkham MB, Welch SM, Nielsen-Gammon JW, Bai G, Luo J, Andresen DA,

Rice CW, Wan N, Lollato RP, Zheng D, Gowda PH, Lin X. U.S. winter wheat yield loss attributed to compound hot-dry-windy events. Nat Commun. 2022 Nov 24;13(1):7233. PubMed Central PMCID: [PMC9700680](https://pubmed.ncbi.nlm.nih.gov/PMC9700680/).

Other Significant Products, Whether or Not Related to the Proposed Project

1. Zuo G, Aiken RM, Feng N, Zheng D, Zhao H, Avenson TJ, Lin X. Fresh perspectives on an established technique: Pulsed amplitude modulation chlorophyll a fluorescence. Plant Environ Interact. 2022 Apr;3(2):41-59. PubMed Central PMCID: [PMC10168060](https://pubmed.ncbi.nlm.nih.gov/PMC10168060/).
2. Dhungel R, Aiken R, Evett SR., Colaizzi PD., Marek G, Moorhead J, Baumhardt R, Brauer D, Kutikoff S, Lin* X. Energy imbalance and evapotranspiration hysteresis under an advective environment: Evidence from lysimeter, eddy covariance, and energy balance modeling. Geophysical Research Letters. 2021 January 16; 48(1):e2020GL091203.
3. Kutikoff S, Lin* X, Evett S, Gowda P, Moorhead J, Marek G, Colaizzi P, Aiken R, Brauer D. Heat storage and its effect on the surface energy balance closure under advective conditions. Agricultural and Forest Meteorology. 2018; 265:56-69.
4. Zambreski Z, Lin X, Aiken R, Kluitenberg G, Pielke Sr. RA.. Identification of hydroclimate sub-regions for seasonal drought monitoring in the Great Plains. Journal of hydrology. 2018; 567. DOI: 10.1016/j.jhydrol.2018
5. Xu L, Lin X, Amen J, Welding K, McDermitt D. Impact of changes in barometric pressure on landfill methane emission. Global Biogeochemical Cycles. 2014; 28(7):679-695.

Certification:

I certify that the information provided is current, accurate, and complete. This includes but is not limited to current, pending, and other support (both foreign and domestic) as defined in 42 U.S.C. § 6605.

I also certify that, at the time of submission, I am not a party to a malign foreign talent recruitment program.

Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Lin, Xiaomao in SciENcv on 2024-07-31 16:07:12