Linqiang He, Ph.D.

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https://helq1116.github.io/

Climate evolution, Climate modeling, Climate dynamics

Education

2019.09 - 2024.06 **Ph.D.**, Meteorology, IAP, Chinese Academy of Sciences
Thesis title: Cenozoic evolution of Asian rainy season in warm periods

2015.09 - 2019.06 **B.S.**, Atmospheric Sciences
Nanjing University of Information Science and Technology

Professional Experience

2024.08 – Present **Postdoc**, Lamont-Doherty Earth Observatory, Columbia University

Selected Publications

He, L. *et al.* Cenozoic evolution of spring persistent rainfall in East Asia and North America driven by paleogeography. *Commun. Earth Environ.* **6**, 1–8 (2025).

He, L., Zhou, T., Chen, X., Zuo, M. & Zou, L. Earlier seasonal march of the East Asian summer monsoon in the mid-Pliocene. *J. Clim.* 5939–5952 (2024).

He, L. *et al.* Northward Extension of East Asian Summer Monsoon Since the Miocene Set by the Uplift of Tibetan Plateau. *Geophys. Res. Lett.* **51**, e2023GL107262 (2024).

He, L., Zhou, T. & Chen, X. South Asian summer rainfall from CMIP3 to CMIP6 models : biases and improvements. *Clim. Dyn.* **61**, 1049–1061 (2022).

He, L., Hao, X., Li, H. & Han, T. How Do Extreme Summer Precipitation Events Over Eastern China Subregions Change? *Geophys. Res. Lett.* **48**, e2020GL091849 (2021).

He, L., Hao, X. & Han, T. The asymmetric impacts of ENSO modoki on boreal winter climate over the Pacific and its rim. *Clim. Dyn.* **56**, 29–44 (2021).

Yu, H., Zhou, T. & **He, L.**Indian Summer Monsoon Precipitation Dominates the Reproduction

of Circumglobal Teleconnection Pattern: A Comparison of CMIP5 and CMIP6 Models. *J. Clim.* **37**, 5009–5023 (2024).

Ren, Z., Zhou, T., Guo, Z., Zuo, M., **He, L.**, Chen, X., Zhang, L., Wu, B. & Man, W. Enhanced "Wind-Evaporation Effect" Drove the "Deep-Tropical Contraction" in the Early Eocene. *Geophys. Res. Lett.* **51**, (2024).

Submitted Publications

He, L., Zhou, T., Zhun, G. Past warm intervals inform the future South Asian summer monsoon. (2025). *Under review.*

He, L., Biasutti, M. & Kushnir, Y. 2025. Interglacial Mediterranean Wetting Dominated by Suppressed Indian Ocean Convection. (2025). *Submitted.*

Conferences

2024 **AGU Fall Meeting**, Washington. D.C., 9-13 December

Title: Mid-Pliocene Informs Future Seasonal March of East Asian Summer Monsoon

Honors and Awards

2020 **The Excellent Freshman Scholarship** (20,000 RMB)

Institute of Atmospheric Physics, Chinese Academy of Sciences

2018 **The Principal's Scholarship** (10,000 RMB)

Nanjing University of Information Science and Technology

Services

Reviewer for *Geophysical Research Letter*, *Climate dynamics*

Reviewer for *AGU2024 Outstanding Student Presentation Awards Program*

Media Releases

2025 Tracing the geological history of spring rains in North America and East Asia

2024 Mid-Pliocene informs future seasonal march of the East Asian summer monsoon

2024 Miocene Uplift of Tibetan Plateau Shapes Today's Monsoon Seasonal March