Yanan Fu

Address: No. 81 Beichen West Road, Chaoyang District, Beijing 100029, P. R. China

Email: fuyanan@mail.iap.ac.cn

Telephone: (+86) 188 4705 3882

Website: https://iap-fuyanan.github.io/personal-website/

Google Scholar: https://scholar.google.com/citations?user=YUV7TO0AAAAJ&hl=en

Education

2020.09 – Present **Institute of Atmospheric Physics**, Chinese Academy of Sciences, China
Ph.D. Student in Meteorology

2008.09 – 2012.06 **Chengdu University of Information Technology**, China
B.S. in Atmospheric Science

Professional Experience

2016.12 – 2020.08 **Hulun Buir Weather Forecast Office**, Inner Mongolia, China
Deputy Director

2012.07 – 2016.11 **Hulun Buir Weather Forecast Office**, Inner Mongolia, China
Weather Forecaster

Honors & Distinctions

2023.09 **Best Poster Award**
The 2023 Annual Academic Meeting of the Institute of Atmospheric Physics, Beijing, China

2023.06 **Merit Student** of University of Chinese Academy of Sciences

2023.03 **Excellent Paper Award**
East-lake Torrential Rainfall Forum of Chinese Meteorological Society, Wuhan, China

2022.08 **Best Student Poster Award**
The 4th National Mesoscale Meteorology Forum, Hangzhou, China

2020.05 **Ranked first** in the National Postgraduate Entrance Examination for the Institute of Atmospheric Physics, Chinese Academy of Sciences

Publications

Yu J., Ma H., Fu S., Su X., Chang X., & **Fu Y.** (2024). Long-term variations of the solar energy in different subregions of Northwest China and associated mechanisms. *Atmospheric and Oceanic Science Letters*, 100515. DOI: 10.1016/j.aosl.2024.100515

Fu Y., Sun J., Wu Z., Chen T., Song X., Sun S., & Fu S. (2024). Formation mechanisms of the extreme rainfall and mesoscale convective systems over South China during the dragon boat rainy season of 2022. *Asia-Pacific Journal of Atmospheric Sciences*. DOI: 10.1007/s13143-024-00357-5

Fu Y., Sun J., Fu S., Zhang Y., & Ma Z. (2023). Initiations of mesoscale convective systems in the middle reaches of the Yangtze river basin based on FY-4A satellite data: statistical characteristics and environmental conditions. *Journal of Geophysical Research: Atmospheres*, 128(22), e2023JD038630. DOI: 10.1029/2023JD038630

Yang W., Fu S., Sun J., Wang H., **Fu Y.**, & Zeng C. (2023). Moisture transport and associated background circulation for the regional extreme precipitation events over South China in recent 40 years. *Journal of Tropical Meteorology*, 29(1), 101–114. DOI: 10.46267/j.1006-8775.2023.008

Zhang Y., Sun J., Fu S., Wang H., **Fu Y.**, Tang H., & Wei Q. (2023). Active characteristics of mesoscale systems during the heavy rainfall in Henan province in July 2021. *Chinese Journal of Atmospheric Sciences* (in Chinese with English abstract), 47(4), 1196–1216. DOI: 10.3878/j.issn.1006-9895.2302.22135

Fu Y., Sun J., Fu S., & Zhang Y. (2023). Comparison between warm-sector and frontal heavy rainfall events in South China and the objective classification of warm-sector heavy rainfall events. *Meteorology and Atmospheric Physics*, 135(1), 11. DOI: 10.1007/s00703-022-00949-8

Patent

Fu, Y., Zhang Y., Sun J., Wei Q., & Fu S. (2024). Method and apparatus for identifying mesoscale convective systems. CN Patent App. 202410585152.6

Conferences

2023.09 **The 2023 Annual Academic Meeting of the Institute of Atmospheric Physics**
Beijing China, Poster

2023.08 **The 5th National Mesoscale Meteorology Forum**
Yinchuan China， Poster

2023.08 **The 20th Annual Meeting of Asia Oceania Geosciences Society**
Singapore， Oral Presentation

2023.05 **The 15th International Conference on Mesoscale Convective Systems**
Virtually, Poster

2023.03 **East-lake Torrential Rainfall Forum 2023**
Hubei China， Poster

2022.08 **The 4th National Mesoscale Meteorology Forum**
Hangzhou China， Poster