Zheng-Hang Fu

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EDUCATION

Fudan University   **Shanghai, China**
Ph.D. in Climate System and Climate Change   September 2023 – Present
Advisors: Wen Zhou and Shang-Ping Xie

Fudan University   **Shanghai, China**
B.S. in Atmospheric Science   September 2019 – June 2023
Advisors: Xingnan Ye and Ruifen Zhan
GPA: 3.75/4.00, Rank 1/23, Major GPA: 3.94/4.00.

PUBLICATIONS

[1] **Zheng-Hang Fu**, Ruifen Zhan*, Jiuwei Zhao, Yohei Yamada, and Kexin Song, 2023: Future Projections of Multiple Tropical Cyclone Events in the Northern Hemisphere in the CMIP6-HighResMIP Models. **Geophysical Research Letters**. *50*, *e2023GL103064*. https://doi.org/10.1029/2023GL103064

[2] **Zheng-Hang Fu**, Libin Cheng, Xingnan Ye*, Zhen Ma, Ruoyan Wang, Yusen Duan*, Huo Juntao, Jianmin Chen, 2022: Characteristics of aerosol chemistry and acidity in Shanghai after PM2.5 satisfied national guideline: Insight into future emission control, **Science of The Total Environment**, *154319*. https://doi.org/10.1016/j.scitotenv.2022.154319.

RESEARCH INTERESTS

- Climate Dynamics
- Climate/Weather Extremes
- East Asian Summer Monsoon

CONFERENCES

Conference presentation:

[1] 2023 Meteorological Youth Scientists Forum and Meteorological Science and Technology Journal Development and Improvement Seminar, Zhuhai, China (August 2023): Dissemination, Promotion, and Utilization of Meteorological Research Achievements: Taking ZQA Weather Hub of China as an Example.

Conference poster:

[1] The 5th National Mesoscale Meteorology Forum, Yinchuan, China (August 2023): Future Projections of Multiple Tropical Cyclone Events in the Northern Hemisphere in the CMIP6-HighResMIP Models.

TEACHING

Fudan University, Department of Atmospheric and Oceanic Sciences (AOS), **Teaching Assistant**, Statistical Methods in Meteorology (undergraduate)   Autumn 2023

Fudan University, Department of AOS, **Teaching Assistant**, Research Training (undergraduate)
                                                                                    Autumn 2023

SELECTED AWARDS AND HONORS

Scholarships
- National Scholarship (Top 2%)   December 2021, 2022
- The First Prize Scholarship of Fudan University (Top 5%)   December 2020

Awards
- The Graduate Star of Fudan University (Highest honor for undergraduates, Top 10 among ~3625)
                                                                                    May 2023
- The May Fourth Youth Medal of Fudan University (2 students every year)   May 2023
- Outstanding Bachelor Student in Shanghai (Top 5%)   April 2023
- Outstanding Student Pacesetter of Fudan University (10 students every year) November 2022
- Academy Star of Fudan University (Innovation and Practice) (10 groups every year)   May 2021

SKILLS

Programming: Python (proficient), NCL (intermediate), MATLAB (intermediate), Fortran (beginner)
Platforms: Linux (proficient), LaTeX (proficient), Origin (proficient), MeteoInfo (intermediate), SPSS (intermediate)

ACTIVITIES

ZQA Weather Hub of China, core member   September 2020 – present
- Created a science communication platform for popularizing atmospheric sciences by writing short science articles
- Promoted science outreach for atmospheric sciences in other media platforms

Tsinghua University Student Association of Meteorology, member   September 2021 – present
- Helped to establish the association
- Co-organized activities to enhance the public outreach of meteorology

Student Union of Department of Environmental Science and Engineering & Department of AOS in Fudan University,
Member, publicity minister, executive chairman   September 2019 – September 2022
- Organized academic lectures and popular science activities
- Carried out brand activations of AOS department of Fudan University