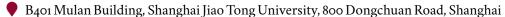
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### **Education**

2021 – pres Ph.D., Oceanography, Shanghai Jiao Tong University. Supervisor: Lei Zhou.

M.Sc., Oceanography, Shanghai Jiao Tong University.

Thesis title: The impact of ocean subsurface thermodynamic structure on tropical cyclone genesis over the western North Pacific.

2014 – 2018 B.Sc., Oceanography, Tongji University.

Thesis title: The impact of 2015/16 extreme El Niño on mesoscale eddies in the South China Sea.

## **Research Publications**

#### **Journal Articles**

- Gao, C., & Zhou, L. (2022). Tropical cyclone genesis over the western North Pacific simulated by Coupled Model Intercomparison Project Phase 6 models. *Acta Oceanologica Sinica*, 41(5), 64–77. 60 doi:10.1007/s13131-021-1860-9
- Gao, C., Zhou, L., Wang, C., Lin, I.-I., & Murtugudde, R. (2022). Unexpected limitation of tropical cyclone genesis by subsurface tropical central-north pacific during el niño. *Nature Communications*, 13, 7746. 

  Ø doi:10.1038/s41467-022-35530-9
- Li, B., Zhou, L., Wang, C., Gao, C., Qin, J., & Meng, Z. (2020). Modulation of tropical cyclone genesis in the Bay of Bengal by the Central Indian Ocean Mode. *Journal of Geophysical Research: Atmospheres*, 125(12), e2020JD032641. Odi:10.1029/2020JD032641

## **Conference Proceedings**

- Gao, C., Zhou, L., Chunzai, W., Lin, I.-I., & Murtugudde, R. (2022). Suppression of tropical cyclone genesis by subsurface environment in the tropical central north pacific during El Niño. In *AOGS 2022*, Virtual.
- Gao, C., & Zhou, L. (2019). Projections of tropical cyclones in western north pacific under climate change: Using a new genesis potential index. In *AGU Fall Meeting 2019*, San Francisco, California. Retrieved from 6 https://agu.confex.com/agu/fm19/meetingapp.cgi/Paper/514800

#### **Awards & Achievements**

2021 **Quitstanding Graduate**, Shanghai Jiao Tong University.

2020 National Scholarship, Ministry of Education of the People's Republic of China.

2019 Second Prize, National Graduate Student Mathematical Contest in Modeling.

2018 **Quitstanding Graduate**, Tongji University.