

# Suan Hu ( 胡苏安 ), Ph.D. candidate

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🌐 <https://caibirdhu.blog.csdn.net/>

🐙 <https://github.com/CaiBirdHSA>



## Education

- 2022.09 – 2026.06    📖 **Ph.D., Sun Yat-Sen University**  
Physical Oceanography
- 2019.09 – 2022.06    📖 **M.S., Sun Yat-Sen University**  
Physical Oceanography
- 2015.09 – 2019.06    📖 **B.S., China University of Mining and Technology**  
Geological Engineering (2016.09 – 2019.06)  
Physics (2015.09 – 2016.06)

## Research Publications

- 1 S. Hu\*, C. Dong, and W. Gong, "Reconstruction of chlorophyll-a and suspended particulate matter satellite missing data based on the combined method of dineof and dincae (under review)," *Remote Sensing of Environment*, 2024.
- 2 S. Hu\*, Y. Li, P. Hu, H. Zhang, G. Zhang, and W. Gong, "The impacts of far-field typhoon-generated coastal trapped waves on the hydrodynamics in the northern south china sea: A case study of typhoon in-fa (in revision)," *Journal of Geophysical Research: Oceans*, 2024.
- 3 S. Hu\*, Y. Li, X. Yu, and W. Gong, "Seasonal variations of coastal trapped waves (ctws)' propagation in the south china sea," *Estuarine, Coastal and Shelf Science*, vol. 302, p. 108 780, 2024, ISSN: 0272-7714.  
🔗 DOI: <https://doi.org/10.1016/j.ecss.2024.108780>.
- 4 H. Zhang, S. Hu\*, W. Cheng, *et al.*, "Response of freshwater transport during typhoons with wave-induced mixing effects in the pearl river estuary, china," *Estuarine, Coastal and Shelf Science*, vol. 258, p. 107 439, 2021, ISSN: 0272-7714. 🔗 DOI: <https://doi.org/10.1016/j.ecss.2021.107439>.
- 5 L. Zhu, W. Gong, H. Zhang, L. Yuan, S. Hu\*, and S. Li, "Determining the subtidal flow at a stratified tidal junction by a novel repeated measurements method," *Applied Ocean Research*, vol. 113, p. 102 738, 2021, ISSN: 0141-1187. 🔗 DOI: <https://doi.org/10.1016/j.apor.2021.102738>.

## Skills

- Languages    📖 Reading and writing competencies for English.
- Coding    📖 Matlab, Python, Shell, Web Spider,  $\LaTeX$ .
- Modeling    📖 ROMS, SWAN, COAWST (ROMS + SWAN).

## Awards and Achievements

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- 2022.10        **The Second Prize Scholarship**, Sun Yat-Sen University.
- 2021.10        **The Second Prize Scholarship**, Sun Yat-Sen University.
- 2020.10        **The Second Prize Scholarship**, Sun Yat-Sen University.
- 2019.10        **The First Prize Scholarship**, Sun Yat-Sen University.
- 2018.10        **National Scholarship**, China University of Mining and Technology.
- 2017.10        **National Encouragement scholarship**, China University of Mining and Technology.
- 2016.10        **National Encouragement scholarship**, China University of Mining and Technology.

## Exchange and Visiting Scholar Experience

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- 2023.05 – 2023.08    **School of Marine Science, Nanjing University of Information Science and Technology**, Collaborating Supervisor (Changming Dong).
- 2022.07 – 2022.08    **South China Sea Institute of Oceanology, Chinese Academy of Sciences**, Collaborating Supervisor (Yineng Li).