



Advances in Oceanic Dynamics by SAR and Numeric Model in Tropical Cyclone

Guest Editors:

Prof. Maurizio Migliaccio

Dr. Jian Shi

Prof. Dr. Weizeng Shao

Dr. Xianbin Zhao

Deadline for manuscript
submissions:

31 January 2025

Message from the Guest Editors

SAR is an advanced sensor for upper ocean monitoring. During the Satellite Hurricane Observation Campaign (SHOC), tropical cyclones are captured by various SARs, i.e., Sentinel-1 and Gaofen-3. In this sense, developing algorithms for SAR retrievals in tropical cyclones is worthwhile. Furthermore, combining the SAR measurements and numeric models brings the opportunity to prompt research on the complicate dynamics at air–sea layer.

This Special Issue welcomes the submission of original research manuscripts or reviews in, but not limited to, the following topics:

- Backscattering theory of remote sensing in tropical cyclone;
- Algorithm for SAR retrievals (i.e., wind, wave, current, etc.);
- Extreme sea state using a numeric wave model;
- Disaster assessment caused by tropical cyclone;
- Analysis of characteristics of tropical cyclone;
- Other tropical cyclone-relevant applications using other remote sensors.





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Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

Message from the Editor-in-Chief

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Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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