Special Issue

Remote Sensing and GIS Applications for Coastal Morphodynamic Systems

Message from the Guest Editor

Waves, currents, tides, climate change and human activities are important factors affecting coastal morphology. Due to the complex and dynamic nature of coastal environments, studying and monitoring these processes is challenging. Remote sensing and geographic information systems (GIS), as important monitoring means, can be used to deeply understand the coastal conditions and coastal evolution under different geomorphic environments and time scales through remote sensing observation. The purpose of this Special Issue is to publish innovative research and application-oriented works related to coastal morphological monitoring. Potential topics include, but are not limited to, the following:

- Coastal geomorphology (Coastal evolution, erosion, Sediment dynamic processes) monitoring;
- GIS and Remote sensing technologies such as optical, radar, and LiDAR for Coastal/beach Systems;
- New technology, numerical modeling, applications, etc. such as machine learning, AI.

Guest Editor

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Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (*JMSE*; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

Editor-in-Chief

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