



## Observation, Analysis, and Modeling of Nearshore Dynamics

Guest Editors:

**Prof. Dr. Yoshimitsu Tajima**

**Prof. Dr. Magnus Larson**

**Prof. Dr. Yoshiaki Kuriyama**

**Dr. Takenori Shimozone**

Deadline for manuscript  
submissions:

**closed (15 October 2020)**

### Message from the Guest Editors

Understanding the characteristics of nearshore dynamics and coastal processes is one of the essential tasks for sustainable coastal development, conservation, and protection. The coast exhibits varying dynamic characteristics over a broad range of spatial and temporal scales. Wind waves, for example, can determine instantaneous sediment transport and cause short-term cross-shore morphology change, while nearshore currents induced by waves and tides may determine long-term and large-scale morphology change, causing chronic coastal erosion. Such nearshore dynamics at different spatiotemporal scales typically interact with each other and are also affected by other factors such as human activities and climate change. Observation, analysis, and modeling of nearshore dynamics are, thus, inevitable not only for establishing the present conditions of the coast, but also for the evaluation and projection of the future evolution under the impact of a wide range of factors.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Charitha Pattiaratchi**  
Oceans Graduate School and The  
UWA Oceans Institute, The  
University of Western Australia,  
Perth, WA 6009, Australia

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Marine) / CiteScore - Q2 (*Civil and Structural Engineering*)

## Contact Us

---

*Journal of Marine Science and  
Engineering* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/jmse  
jmse@mdpi.com  
X@JMSE\_MDPI