



## Modeling and Monitoring of Coastal Ocean, Nearshore and Estuarine Environments

Guest Editors:

**Dr. Mustafa Kemal  
Cambazoglu**

The University of Southern  
Mississippi, Division of Marine  
Science, Stennis Space Center,  
Hattiesburg, MS, USA

**Dr. Zafer Defne**

US Geological Survey, Woods  
Hole, MA, USA

Deadline for manuscript  
submissions:

**1 September 2024**

### Message from the Guest Editors

Dear Colleagues,

The coastal environment is becoming more vulnerable due to climate change and its associated impacts such as sea level rise, significant coastal erosion, coastal hazards and compound flooding, among others. Additionally, there is a vast number of natural resources in coastal ecosystems such as coastal wetlands, fisheries and shellfisheries that require sustainable management and restoration as well as major blue economy initiatives and new technology developments in coastal oceans. Advancements in computer modeling, new technologies in remote sensing, development of autonomous underwater and surface vehicles as well as the expanding in situ measurement networks enhance coastal predictions, forecasting and monitoring in coastal ocean, nearshore and estuarine environments.

We encourage submissions with research and applications of modeling systems and coastal monitoring systems to study hydrodynamics, morphodynamics, and hydrology of the coastal environments.





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