

## Special Issue

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

### Message from the Guest Editors

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.

### Guest Editors

Dr. Mustafa Kemal Cambazoglu

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US Geological Survey, Woods Hole, MA, USA

### Deadline for manuscript submissions

closed (25 January 2025)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
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