

Special Issue

Advances in Coastal Hydrodynamics and Wetland Modeling

Message from the Guest Editors

Wetlands along coastal margins provide numerous ecosystem services, from supporting fisheries and transforming nutrients to sequestering carbon and attenuating wave action. These ecosystems are also impacted by climate change, accelerating rates of sea level rise, and human activity. As communities implement or currently rely on nature and nature-based coastal defences, tools are needed for predicting how wetlands change in response to these drivers. This special issue will focus on predictive modeling of wetland change and the data that informs these models. We invite submissions on coastal modeling from a range of disciplines (e.g., hydrodynamics, ecology, and/or geomorphology) and techniques, as well as fieldwork and observational research that supports modeling efforts. These include research using numerical and computer-based models, experimental modeling, remote sensing, or other types of assessments in the coastal regions.

Guest Editors

Dr. Karim Alizad

Belle W. Baruch Institute for Marine and Coastal Sciences, University of South Carolina, Columbia, SC, USA

Dr. Madeline Foster-Martinez

Pontchartrain Institute for Environmental Science (PIES), University of New Orleans, New Orleans, LA 70148, USA

Deadline for manuscript submissions

closed (31 March 2020)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.6



mdpi.com/si/19783

Journal of Marine Science and Engineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

mdpi.com/journal/

jmse





Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.6



[mdpi.com/journal/
jmse](https://mdpi.com/journal/jmse)



About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

Author Benefits

High Visibility:

indexed with Scopus, SCIE (Web of Science), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Oceanography) / CiteScore - Q1 (Ocean Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).