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

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

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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

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

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