

Special Issue

Recent Advances in Coastal Storm Forecasting and Geologic Response

Message from the Guest Editors

Dear Colleagues, Coastal regions of the world are inhabited by an estimated 40% of the global population. Intensification of weather events, changes in wave climates, and eustatic sea level rise associated with global climate change are resulting in populations, and the infrastructure that supports them, becoming increasingly vulnerable to storm-driven damage, erosion, and flooding. This Special Issue is intended to assemble recent significant scientific advances in the understanding of coastal morphologic response to, and recovery from, storms, as well as the forecasting of storm impacts, especially as they pertain to management, planning and decision-making. We encourage contributions that address topics of natural or human-influenced storm response and recovery along coasts of a wide range of geomorphic character including barrier islands, sandy beaches/shoreface, dunes, marsh, and mangrove coasts. Contributions can be based on field observations (including advancements in remote-sensing techniques), modeling, laboratory experiments, or a combination of methodologies.

Guest Editors

Dr. Cheryl Hapke

St. Petersburg Coastal and Marine Science Center, U.S. Geological Survey (USGS), St. Petersburg, FL, USA

Dr. Peter N. Adams

Department of Geological Sciences, University Florida, 241 Williamson Hall, Gainesville, FL 32611, USA

Deadline for manuscript submissions

closed (30 September 2018)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/11612

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 2.8
CiteScore 5.0



[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 (Engineering, Marine) / CiteScore - Q2 (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).