

Special Issue

Hydrodynamics and Scour around Coastal and Hydraulic Structures under Combined Wave-Current Action

Message from the Guest Editors

This Special issue aims to report the ongoing research into computational, analytical and experimental results in phenomenon related to coastal and ocean engineering with a special emphasis on hydrodynamics and scour around coastal structures. Topics of primary interest include, but are not limited to: mathematical and numerical investigation of turbulence characteristics in coastal areas, CFD modelling (RANS, LES and DNS) of hydrodynamics and scour in rivers and/or oceans, analytical modelling of flows and phenomenon in coastal areas, modelling of dam break flows, long term coastal dynamics, soft computing techniques for phenomenon related to coastal engineering and wave-current interaction in coastal waters. All original contributions with analytical and/or numerical approaches in the mentioned areas will be considered for publication.

Guest Editors

Dr. Mohammad Saud Afzal

Department of Civil Engineering, Indian Institute of Technology, Kharagpur, India

Prof. Dr. Trilochan Sahoo

Dept. of Ocean Engineering & Naval Architecture, Indian Institute of Technology Kharagpur, India 721302

Deadline for manuscript submissions

closed (5 September 2023)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/165045

*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

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
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 15.6 days after
submission; acceptance to publication is undertaken in 1.9
days (median values for papers published in this journal in
the first half of 2025).