

## 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.

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### 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

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### Deadline for manuscript submissions

closed (5 September 2023)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
CiteScore 5.0



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jmse@mdpi.com](mailto:jmse@mdpi.com)

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## 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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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

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#### 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).