

Special Issue

Hydrodynamic Response to the Effect of Current Loads on Floating Offshore Platform

Message from the Guest Editors

This Special Issue is driven by the increasing interest in the dynamics of floating offshore platforms under current loads as floating offshore platforms are located in unprotected environmental conditions and depths in offshore regions. Therefore, the dynamic responses of floating offshore platforms under current loads in terms of structural motions and displacements of different modes are necessary to assess their efficiency, survivability, stability from structural damage. This Special Issue will focus especially on models based on the novel, latest, and allied developments under current loads with floating offshore platforms.

Submissions must include theoretical modeling, numerical modeling, and prototype testing as applications in offshore platforms. Contributions introducing the wave–current interactions on the dynamics of the floating rigid/flexible platforms based on theoretical, numerical, and experimental models are specially encouraged and welcomed. All types of manuscripts (i.e., research articles, reviews, and short communications) are welcomed.

Guest Editors

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Deadline for manuscript submissions

closed (20 April 2026)



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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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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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).