

# Special Issue

## Latest Advances in Physical Oceanography

### Message from the Guest Editors

The main goal of this Special Issue is to gather and share new results, best practices, successes, lessons learned, and general insights. Contributions may include topics in descriptive and dynamical physical oceanography, focused from deep ocean and broader scales to shallow waters and local scales, including coastal zones and estuarine systems. Theoretical, observational, and modelling studies are all welcome, especially focusing on elucidating specific physical processes and their contribution to understanding ocean dynamics. Local or regional studies; methods and challenges in understanding ocean circulation drivers and its evolution in future decades; projected climate change-driven variations, methods and results concerning ocean circulation variability; and any other innovative contributions.

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### Guest Editors

Prof. Dr. João Miguel Dias

Prof. Dr. Alexander Babanin

Dr. M<sup>a</sup> Teresa de Castro Rodríguez

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### Deadline for manuscript submissions

closed (31 March 2023)



## Journal of Marine Science and Engineering

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an Open Access Journal  
by MDPI

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Impact Factor 2.8  
CiteScore 5.0



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*Journal of Marine Science and  
Engineering*

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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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#### 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).