

Special Issue

Modelling and Optimisation of Ship's Fuel Consumption for Realistic Operational Conditions

Message from the Guest Editors

In this Special Issue, we invite high-value submissions dealing with original research outcomes within the following research topics and emerging subjects:

- Holistic modelling of a ship's resistance and propulsion system for realistic operational conditions;
- The optimisation of a ship's routing;
- Speed–power performance in low and high sea states;
- The effect of fouling on the hull and propeller;
- Ship design for future operational demands;
- Fleet maintenance (predictive, condition-based, or others);
- The analysis and management of fuel data;
- Sensor/monitoring technology;
- Business models to deal with the volatile operational environment.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2021)



Journal of Marine Science and Engineering

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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

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Author Benefits

High Visibility:

indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Marine) / CiteScore - Q2 (Civil and Structural Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).