



## Hydrodynamic Analysis in Ship Design

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Deadline for manuscript  
submissions:

**closed (31 August 2020)**

### Message from the Guest Editors

The proposed Special Issue aims to provide the interested reader and practitioner with an up-to-date review of the established and emerging HA methodologies and tools along with practical illustrations of their application in the fields of marine and ocean engineering. Specific topics include the following:

New methodologies in the analysis of resistance, propulsion, seakeeping and manoeuvrability of ships;

Ship–waves interaction;

Minimising hull resistance;

Increasing propulsion efficiency;

Modern methodologies of computational fluid dynamics for the estimation of ship performance;

Propulsion improving devices;

Hydrodynamic optimisation of ship hull under design constraints;

Novel CAD representations of the vessel's geometry;

High accuracy and locally refinable meshing tools;

Machine learning techniques for improving the performance of low-fidelity models.





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## Editor-in-Chief

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## 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.

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