

## Special Issue

# Environmental Footprint of Shipping—Characteristics and Mitigation Strategies

### Message from the Guest Editors

Maritime shipping is the main transport mode for global trade. In recent decades, the size and the number of maritime freights, which largely rely on the use of diesel engines, have largely expanded due to the world economy. These are very energy efficient but have non-negligible environmental impacts. While new options for marine propulsion are arising, most of the ships in operation for the next thirty years will be still based on internal combustion engines, fueled with conventional bunker oils or new fuels. This Special Issue welcomes papers related to the characteristics of ships' pollutant emissions and the control strategies for their reduction. In particular, contributions should focus on: i) the characterization of ships' emissions and their impact on health and the environment either at the regional or global scale, ii) innovative technologies and case studies on the mitigation of ships' emissions into air and seawater, and iii) new environmental policies (e.g., fuel quality), finance aspects, directives and their future perspectives for maritime shipping.

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### Guest Editors

Prof. Dr. Francesco Di Natale

Dr. Domenico Flagiello

Dr. Eva Merico

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### Deadline for manuscript submissions

closed (30 April 2023)



## 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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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#### Journal Rank:

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2024).