

## Special Issue

# Oceanic Litter Conditions and Performance Evaluation of Marine Cleanups

### Message from the Guest Editors

The world's oceans and coastlines are constantly impacted by several threats related to the dispersal of pollutants (plastics, hydrocarbon, fertilizers) and algae blooms. Accordingly, marine cleanups are increasingly being developed and conducted in response to these threats. The invited Special Issue focuses on the performance evaluation of marine cleanups. This encompasses the cleanup systems' overall hydrodynamic and cleanup performance and the measurement techniques, modeling, and operations used to support the research and development in order to improve overall performance and better understand marine environmental conditions and dynamics and their influence on the dispersal of floating material in our environment. Submissions are welcome from various fields of study:

- Modeling of the fate of pollutants and algae;
- Dynamics of marine dispersion;
- Forecasting and steering strategy;
- Cleanup system design;
- Cleanup boat, boom, and nets hydrodynamics;
- Model testing of cleanup systems;
- Digital twin of cleanup systems;
- Operational cleanup systems;
- Remote sensing (marine litter, oil, algae);
- Surface drifters and AUVs;
- Oil spill response.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 April 2024)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
CiteScore 5.0



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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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