



Oceanic Litter Conditions and Performance Evaluation of Marine Cleanups

Guest Editors:

Dr. Christophe Maes

IRD/Laboratory for Ocean
Physics and Satellite Remote
Sensing (LOPS), 29280 Plouzane,
France

Dr. Bruno Sainte-Rose

The Ocean Cleanup, 3014 JH
Rotterdam, The Netherlands

Deadline for manuscript
submissions:

closed (20 April 2024)

Message from the Guest Editors

Dear Colleagues,

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.





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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

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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*Journal of Marine Science and
Engineering* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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