

## Special Issue

# Pollutants and Particle Dispersion in Marine Environments: From Observations to Modeling

### Message from the Guest Editor

The anthropogenic impacts on the marine environment have been growing constantly in the last century. This is clearly shown by the increase in dissolved (chemicals) and particulate (micro and macropalstics) pollutant content in marine waters, not only at coastal scales but also in the open ocean. The progressively expanding knowledge base on those issues needs to be aided with observations and tools aimed at studying and forecasting the dynamics of pollutant dispersion. The purpose of this Special Issue is to provide a cutting-edge view of current scientific research on the observation and tracking of pollutants in the marine environment. The collected articles will focus on the following:

- Direct observation of pollutants with automated in situ techniques and remote sensing (both satellite- and land-based);
- Tracking of pollutant dispersion in marine environments with the aid of direct observations (drifter, floats, and other Lagrangian instrumentation);
- Tracking of pollutants and particles with numerical modeling tools.

Review articles on observations and models will also be considered for this Special Issue.

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### Guest Editor

Dr. Francesco M. Falciari

CNR-ISMAR (Consiglio Nazionale delle Ricerche – Istituto di Scienze Marine), Venice, Italy

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### Deadline for manuscript submissions

closed (31 December 2020)



## 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

*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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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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#### Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).