

Special Issue

Modeling the Transport of Pollutants and Tracers in the Ocean

Message from the Guest Editor

The numerical modelling of the transport of pollutants in the marine environment has been attracting attention for many years. This interest has increased in recent years as regarding radioactive pollutants after the 2011 accident in the Fukushima Daiichi nuclear power plant, and after the planned release of contaminated stored water from Fukushima into the Pacific Ocean. Reliable models are required to predict the fate of contaminants from planned releases in the marine environment, in general, but also for the assessment of the aftermath of accidental releases of any pollutant. In addition, modelling the transport of tracers is a useful tool in oceanography, applied to tracing water currents and water masses. We expect to publish high-quality papers on the following topics:

- modelling techniques
- rapid response models for emergencies
- description of water/sediment interactions
- modelling tracers and radiotracers as a tool for oceanography
- model application cases

Guest Editor

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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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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