



Modeling the Transport of Pollutants and Tracers in the Ocean

Guest Editor:

Dr. Raul Perianez

Departamento de Física Aplicada
I, ETSIA, Universidad de Sevilla,
41013 Sevilla, Spain

Deadline for manuscript
submissions:

closed (5 November 2023)

Message from the Guest Editor

Dear Colleagues,

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





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
Oceans Graduate School and The
UWA Oceans Institute, The
University of Western Australia,
Perth, WA 6009, Australia

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed with Scopus, SCIE (Web of Science), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean Engineering)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jmse
jmse@mdpi.com
[X@JMSE_MDPI](#)