

Special Issue

From Source to Sea: Navigating the Ecotoxicological Challenges of Emerging Contaminants in Marine Ecosystems

Message from the Guest Editors

Contaminants of emerging concern or, simply, emerging contaminants represent a newly discovered group of chemicals present in marine environment and therefore a new threat to marine biodiversity. These contaminants include pharmaceuticals, endocrine-disrupting chemicals as well as nanomaterials and micro and nanoplastics. Conducting ecotoxicological research is imperative for providing a scientific basis for the assessment and management of anthropogenic emerging contaminants in the context of ocean pollution. For our upcoming Special Issue, we invite authors to submit their original research papers, reviews, and short communications. Topics related to this Special Issue may include, but are not limited to, the following:

- Novel methods and the development of ecological risk assessment;
- Sub-lethal effects of emerging contaminants;
- Bioaccumulation monitoring studies;
- Application of Omics technologies to explore the mechanisms of toxicity of emerging contaminants;
- Co-exposure to multiple stressors (e.g., bioactive compounds, thermal stress, reduced pH);
- Source, occurrence, transport, and fate of emerging chemicals in marine environments.

Guest Editors

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Deadline for manuscript submissions

closed (20 January 2025)



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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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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).