

Special Issue

Environmental Radioactivity and Its Applications in Marine Areas

Message from the Guest Editors

Radionuclides have been extensively used as tracers to study a myriad of processes in the marine ecosystems. Their ubiquitous distribution, well-known production and decay rates and input sources, as well as their diverse physicochemical characteristics and wide range of half-lives, make them powerful tools to trace a multitude of oceanic processes, such as ocean circulation, particle scavenging and cycling, atmosphere–ocean and land–ocean interactions or sedimentation processes. This special issue welcomes contributions from ocean geosciences, physics, biogeochemistry, ecology, climate, environmental contamination, engineering or other fields that use environmental radioactivity in marine applications to advance the understanding of oceanic processes.

- ocean tracers
- radionuclides
- environmental radioactivity

Guest Editors

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Deadline for manuscript submissions

closed (25 September 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

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