

Special Issue

Marine Microbial Driven Degradation and Transformation of Pollutants: Processes, Mechanisms and Ecological Effects

Message from the Guest Editors

As decomposers in marine ecological systems, microorganisms play an important role in environmental remediation. In particular, marine microorganisms are considered to be superior in terms of enzyme production. Due to their environmental and ecological friendliness as well as the sustainability, degradation and transformation of contaminants by microorganisms in the environment, this area of research has attracted widespread attention. For example, the microbial transformation of heavy metals and the microbial degradation of petroleum and other emerging contaminants such as persistent organic pollutants, antibiotics and microplastics achieve high efficiency without causing secondary pollution. This Special Issue aims to publish research focused on pollutants' degradation and transformation driven by marine microorganisms. Investigations of the sources and enhancement of microorganisms, the processes, mechanisms and ecological effects during the degradation and transformation of pollutants are all welcome for submission.

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Deadline for manuscript submissions

closed (10 December 2025)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/228123

Journal of Marine Science and Engineering

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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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