Special Issue

Marine Microorganisms in Biodegradation and Bioremediation

Message from the Guest Editor

Microbial degradation of pollutants and the application of ecological restoration have become hot topics in current research. This Special Issue focuses on all aspects of marine microorganisms in biodegradation and bioremediation. We seek contributions from authors that include, but are not limited to, the following areas:

- Exploitation of marine microbial resources, such as enrichment and characteristics of pollutants degradation isolates or microbiota and immobilization of marine functional microorganisms;
- Ecology of marine microbial communities subjected to anthropogenic events, such as diversity, dynamics, the abundance of the microbial community in marine biodegradation and bioremediation and the roles of marine microorganisms in nitrogen, sulfur and phosphorus biogeochemical cycles;
- The roles of microorganisms in nitrogen and phosphorus pollutant removal in mariculture wastewater;
- Interesting and typical cases of marine microorganisms in the degradation of petroleum hydrocarbons, antibiotics, pesticides, microplastics and other emerging pollutants;
- The roles of marine microorganisms in the bioremediation of damaged marine habitats and polluted coastal waters.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2023)

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

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JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

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