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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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.

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