Special Issue

Benthic Microbial Community in Marine and Coastal Environment

Message from the Guest Editor

The oceans harbor a remarkable diversity of marine microorganisms. The sediment seafloor of the coastal shelf and deep-sea habitat, including the microbial community, covers nearly 70% of the Earth's surface. However, further study is needed regarding this extensive, lesser-known ecosystem's structure, diversity, function, and biochemical processes. This Special Issue aims to explore the diversity of coastal and deep-sea benthic microbial communities, from prokaryotes to macrofauna, and the linkages that impact community metabolism, biogeochemical fluxes, ecosystem services, and coupled natural–human systems. The scope may also include the kinetics of vital metabolic processes such as remineralization. Understanding how marine sediments play a role in the global cycle to sequester carbon and recycle nutrients is imperative. The social and ecological factors associated with marine protected areas may also be considered. This issue will highlight studies across various geographic systems, investigating biodiversity, biochemical mechanisms, and techniques pertaining to microbial natural products with human health impacts.

Guest Editor

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Message from the Editor-in-Chief

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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