Special Issue

Benthic Biogeochemical Cycling of Ocean Nutrients and Carbon

Message from the Guest Editor

Benthic biogeochemical cycling occurs in the benthic boundary layer and plays a critical role in regulating the fluxes of carbon and nutrients between the sediment and bottom water. This process involves the degradation and transformation of organic matter into inorganic nutrients and carbon, which benthic organisms facilitate through organic matter degradation. Research on this topic is essential to gain a comprehensive understanding of the biogeochemical processes involved, including the oxidation of organic matter, the cycling of nitrogen and phosphorus, and the production and consumption of various biogenic gases. In situ measurement methods are also used to study this process. To provide a comprehensive overview of the current state of knowledge in this field, a Special Issue on "Benthic Biogeochemical Cycling of Ocean Nutrients and Carbon" will highlight the latest advances in our understanding of this topic. This Special Issue will serve as an essential resource for researchers and students interested in marine biogeochemistry, oceanography, and environmental science.

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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