

Special Issue

Advanced Studies in the Marine Biogeochemical Cycle

Message from the Guest Editor

Marine biogeochemistry is focused on understanding biogeochemical processes in marine systems, binding interactions with the atmosphere, coastal areas, and terrestrial systems. Marine biogeochemistry research embraces the biogeochemical cycling of micronutrients such as carbon, nitrogen, phosphorus, sulfur, and iron, as well as organic matter. They are crucial for understanding climate change due to their role in carbon cycle–climate system interactions. Aerosols are significant for global pollution, biogeochemical cycles, climate, dust deposition into the ocean, and elucidate the role of aeolian sources of elements critical for carbon and nutrient cycling in the oceans. Biogeochemical investigations involve microbial–chemical interactions in redox transition zones. Therefore, it is essential to explore all processes between the atmosphere, oceans, lakes, rivers, and groundwater using an interdisciplinary approach following physical, chemical, biological, and geological variables.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2022)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/100756

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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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