

Special Issue

Origin, Distribution, Circulation and Impact of Hydrogen, Carbon, Nitrogen and Phosphorus in Ocean

Message from the Guest Editor

The ocean is one of the most important reservoirs of hydrogen, carbon, nitrogen and phosphorus on the Earth. Knowing the origin, distribution, circulation and impact of hydrogen, carbon, nitrogen and phosphorus in the ocean is of first-order importance to our understanding of the origin and evolution of the ocean, ocean–lithosphere interaction, ocean dynamics, marine environment, and the evolution of the Earth as a habitable planet. Furthermore, these elements in the oceans can enter the Earth's interior, delivered by the subduction of oceanic crusts, which, in turn, affect various geological processes and geodynamics in the deep Earth. For this Special Issue of *Marine Geology*, we sincerely invite researchers from different disciplines to submit original/review articles, including but not limited to the experiment and theory of these key elements in oceans and the Earth interior, from petrological, geochemical, geophysical, and oceanographic perspectives, to better understand the origin, distribution, transport and impact of these key elements in the ocean.

Guest Editor

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Deadline for manuscript submissions

closed (20 January 2022)



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About the Journal

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.

Editor-in-Chief

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