



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

Guest Editor:

Prof. Dr. Qun-Ke Xia

School of Earth Sciences,
Zhejiang University, Hangzhou
310027, China

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Message from the Guest Editor

Dear Colleagues,

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.





Editor-in-Chief

Prof. Dr. Tony Clare

School of Natural and
Environmental Sciences,
Newcastle University, Newcastle
upon Tyne NE1 7RU, UK

Message from the Editor-in-Chief

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*Journal of Marine Science and
Engineering* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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