

## 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.

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### Guest Editor

Prof. Dr. Qun-Ke Xia  
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### Deadline for manuscript submissions

closed (20 January 2022)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
CiteScore 5.6



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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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#### High Visibility:

indexed with Scopus, SCIE (Web of Science), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q1 (Ocean Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).