

## Special Issue

# Research on Submarine Hydrothermal Activity and Its Material Circulation, Magmatic Setting, and Seawater, Sedimentary, Biologic Effects

### Message from the Guest Editors

Submarine hydrothermal activities distribute in the mid-ocean ridge, back-arc basin, island-arc, and hot spot region, which forms hydrothermal sulfide deposit, metalliferous sediment, and hydrothermal system (including seawater, rock, magma, sediment, hydrothermal fluid, sulfide, sulfate, hydrothermal plume, and organisms, etc.), contributing heat and mass to seawater environments. Seafloor hydrothermal activity has been a research hotspot in multiple disciplines for the past few decades.

The aim of this Special Issue is to advance the understanding of the latest research progress of seafloor hydrothermal activity and its material circulation, magmatic setting, and seawater, sedimentary, and biologic effects. We welcome original research papers relevant to seafloor hydrothermal activity, which will contribute to the understanding of the submarine hydrothermal geologic processes, hydrothermal mineralization, rock–fluid interaction, seawater–fluid mixing, the effect of hydrothermal fluid on seawater, sediment, and ecologic environment, the heat and mass flux of hydrothermal activity, and the control mechanism of tectonics and magmatism on hydrothermal activity.

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### Guest Editors

Prof. Dr. Zhigang Zeng  
Dr. Yuxiang Zhang  
Dr. Zuxing Chen

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### Deadline for manuscript submissions

closed (31 January 2023)



## Journal of Marine Science and Engineering

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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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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).