

## 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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Impact Factor 2.8  
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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
School of Engineering, The UWA Oceans Institute, The University of  
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