

Special Issue

New Insights in Submarine Hydrothermal Vents Exploration

Message from the Guest Editors

Seafloor hydrothermal vents are arguably the most intriguing and fascinating geological features investigated by scientists studying the deep oceans over the last four decades, an endeavour ongoing since the pioneering discovery of submarine hot springs in Galapagos and Pacific Rise. Submarine hydrothermal vents are commonly enriched in dissolved metals, making them very promising explorative targets for economical purpose. In this Special Issue, we intend to collect new research studies dealing with the investigation of submarine hydrothermal vents and integrate multidisciplinary data coming from different methodologies, such as (but not limited to): geophysics, geochemistry, oceanography, morphology and the study of rock petrology and metallogenic processes. Reports on new explorations, reviews and significant case studies, covering hydrothermal processes in different geodynamic environments, are welcomed. We also encourage studies of hydrothermal systems by using innovative techniques such as autonomous underwater vehicles, ROVs, submarine observatories and unconventional platforms.

Guest Editors

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Deadline for manuscript submissions

closed (1 September 2023)



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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. John C. Eichelberger

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