



## Research on Underground Hydrothermal System: From Geophysical Analysis to Seismic Monitoring

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Deadline for manuscript  
submissions:

**closed (10 October 2021)**

### Message from the Guest Editor

Dear Colleagues,

Hydrothermal systems are characterized by processes in which hot H<sub>2</sub>O-rich fluids circulate in the sub-surface and then discharge at the surface generating hydrothermal activity. The observation on the surface of fumaroles and hot springs proves the existence of hot fluids in the underground. When fluids discharge at the surface, they deposit hydrothermal minerals filling up small fractures and/or veins and altering the hosting rocks.

This special issue will cover any subject of Earth science about the hydrothermal systems, from geophysical, geological, geochemical, volcanology and petrology analysis to seismic monitoring, including the mechanisms of fluid discharge. Analytical, numerical and modeling studies from depth to surface scale are welcome. Multidisciplinary approaches and /or original methodologies are strongly encouraged, as well as case studies of areas characterized by high volcanic hazard.

Dr. Francesca Di Luccio

*Guest Editor*





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## Message from the Editor-in-Chief

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