



geosciences

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Volcano Seismology

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Message from the Guest Editor

Recent advances in volcano seismology have allowed improving our knowledge of volcanic systems. Improvements in seismometers and seismic monitoring increased the capability to identify volcanic seismic events, relate them which its physical processes and, more importantly, to recognize those signals related to volcanic unrest. The increasing deployment of seismic stations in volcanoes and development of new approaches allowed a more precise tomographic image of volcanic inner structures. These studies, among many others, helped to better constrain the nature of volcanic unrest, volcano dynamics, magma storage and migration, forecast volcanic activity and mitigate volcanic hazards.

In this special volume we encourage you to submit all volcano-seismology related studies. We welcome studies related to advances in: seismic network and instrumentation, automatic seismic signal recognition and processing, seismic imaging through new physical models and approaches, new volcano seismic datasets and volcanic seismic source analysis. We are also interested in studies that combine seismology with other geophysical monitoring.



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Special Issue



Editor-in-Chief

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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.

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