



Volcano Monitoring – Placing the Finger on the Pulse

Guest Editor:

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Message from the Guest Editor

Mitigation of the effects of volcanic eruptions is ever more important given the increasing number of people occupying hazardous locations. One of the most important steps in mitigating volcanic risk is forecasting the activity, for which it is necessary to understand the large range of possible eruption scenarios and their associated hazards. We need to know when and how the eruption will occur; what the hazards will be, and their distribution on the ground or in the air.

This Special Issue will include papers on the development of equipment and techniques, new analytical methods, how data is interpreted, how forecasts are made, if they are deterministic from empirical models, or probabilistic, and how monitoring data is transformed into an appropriate message and delivered to the public. Coverage will be given to the more traditional monitoring methods (seismic, geodesic and geochemical), and to more recent augmentations (infrasound, gravity surveys, lightning detection, etc). It aims to provide a useful reference on the many facets of this complex and important topic.





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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.

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