

Special Issue

Advances in Geophysical Approaches in Volcanic and Geothermal Areas

Message from the Guest Editors

Geophysical prospecting is a powerful and versatile tool for investigating the Earth's interior at various depth scales and for diverse purposes, including geotechnical, mining, and scientific applications. By leveraging different physical properties, geophysical methods illuminate a range of crustal sectors from regional to local that would otherwise remain undetectable.

In volcanic and geothermal settings, this approach becomes even more critical for unraveling their inner structure, understanding their interactions with both natural and anthropogenic environments, and monitoring their temporal variations.

Over the past few decades, rapid technological advancements have driven significant progress in data acquisition, positioning, processing, and modeling. These developments have substantially enhanced the resolution and accuracy of interpretative models, improving both monitoring and exploitation. The integration of spatial variations in different physical properties into unified and holistic geophysical models has helped in reducing the inherent ambiguities in such interpretations.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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