

## Special Issue

# Applied Geophysics and Volcanology: Tools for Exploring the Dynamic Earth

### Message from the Guest Editor

Understanding the dynamics of the Earth requires a continuous dialog between theoretical models and applied geophysical techniques. While theoretical frameworks provide the conceptual foundations for interpreting natural processes, it is through the application of measurement techniques, monitoring systems, computational models, and laboratory experiments that we can truly explore, quantify, and predict the behavior of our planet. This Special Issue will bring together contributions spanning the full spectrum of the applied tools used to investigate volcanic systems, tectonic structures, deep Earth processes, and surface hazards. This Special Issue seeks contributions that demonstrate how the diverse array of applied geophysical and volcanological tools can deepen our understanding of the Earth's processes and improve hazard forecasting.

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### Guest Editor

Dr. Antonella Longo

Section of Pisa, National Institute of Geophysics and Volcanology, Pisa, Italy

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### Deadline for manuscript submissions

20 June 2026



## Applied Sciences

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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