# Special Issue

# Applied Geophysical Imaging and Data Processing

## Message from the Guest Editor

The main objective of this Special Issue is to promote and platform relevant studies that focus on the following key topics: (1) novel approaches for the analysis and interpretation of geophysical imaging; (2) the development of innovative algorithms for geophysical data processing, with emphasis on novel AI-based methods (e.g., machine learning); (3) new methods for the analysis of time-lapse sequences of 4D geophysical images; (4) the development of innovative methods for the 3D and 4D visualization of geophysical tomographic images. Papers on recent research achievements obtained in the framework of different applicative domains (natural hazards, environmental monitoring, hydrogeology, geo-resources, engineering geology, urban geophysics, archaeology, etc.) are strongly welcomed and encouraged.

## Guest Editor

Dr. Vincenzo Lapenna

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## Deadline for manuscript submissions

20 December 2025

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# Applied Sciences

# 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.

### Editor-in-Chief

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