Special Issue

Data Processing and Modeling on Volcanic and Seismic Areas

Message from the Guest Editors

The recent growth of multi-sensor monitoring networks and satellites with the exponential increase of the amount of spatiotemporal data has revealed an increasingly compelling need to develop data processing, analysis, and modeling tools capable of handling large amounts of data and synthesizing the useful information.

Emergencies and crises evidence how the rapid response in processing all the available information is also crucial in helping decision makers to mitigate the risk to the exposed population. Prompt data analysis requires a variety of tools, such as event detection, phenomenon recognition and classification, hazard assessment, and episode forecast.

This Special Issue intends to collect new ideas and contributions at the frontier between the fields of data handling, processing, and modeling for volcanic and seismic systems. The primary aspects of any contribution should be novelty and originality.

Guest Editors

Dr. Alessandro Bonforte

Istituto Nazionale di Geofisica e Vulcanologia, Sezione di Catania-Osservatorio Etneo, Piazza Roma, 2, 95125 Catania, Italy

Dr. Flavio Cannavò

Istituto Nazionale di Geofisica e Vulcanologia (INGV), Osservatorio Etneo, Piazza Roma 2, 95123 Catania, Italy

Deadline for manuscript submissions

closed (31 March 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/36334

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)