

Special Issue

Seismic Multi-Hazard Mitigation from Source to Satellite: Applications and Technological Development

Message from the Guest Editor

Seismic risk often arises from complex multi-hazard scenarios in which earthquakes trigger cascading events, including landslides, tsunamis, ground deformation, and infrastructure failure. Addressing these challenges requires an integrated approach, covering the full hazard chain from seismic source characterization to near-real-time monitoring and satellite observations. This Special Issue, *Seismic Multi-Hazard Mitigation from Source to Satellite: Applications and Technological Development*, will highlight recent advances in seismology, geodesy, remote sensing, and data integration to improve hazard assessment, early warning, and risk mitigation. Contributions focusing on developments of new methodologies and operational applications, including Satellite Interferometry (SI), GNSS machine learning approaches, and decision-support systems for emergency management, are welcome.

Guest Editor

Dr. Andreas Karakonstantis

Department of Geology and Geoenvironment, Section of Geophysics-Geothermics, National and Kapodistrian University of Athens (NKUA), Athens, Greece

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

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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.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. Alberto G. Fairén

1. Centro de Astrobiología, CSIC-INTA, Madrid, Spain
2. Department of Astronomy, Cornell University, Ithaca, NY, USA

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