

Special Issue

Volcanic Disaster Prevention and Sustainable Risk Management

Message from the Guest Editor

Volcanic activity profoundly shapes landscapes, ecosystems, and societies. With growing populations in volcanic regions and changing climate conditions, hazards and related cascading effects like landslides increasingly threaten sustainable development. Addressing these risks demands integrated approaches spanning geoscience, technology, environmental management, and social sciences. Topics of interest include:

- Volcanic hazard assessment, monitoring, and early warning systems;
- Integration of remote sensing, geospatial analysis, and modelling tools for hazard assessment and prediction;
- Sustainable land-use planning and infrastructure design in volcanic regions;
- Socio-economic vulnerability, exposure, and community resilience;
- Risk communication, education, and participatory approaches to disaster preparedness;
- Nature-based and community-based solutions for mitigation and recovery;
- Policy development, governance, and frameworks for sustainable risk reduction.

This issue provides a platform for interdisciplinary exchange among researchers, engineers, policymakers, and practitioners, fostering global efforts toward inclusive and resilient volcanic risk management.

Guest Editor

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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