geosciences

an Open Access Journal by MDPI

IMPACT FACTOR 2.7

CITESCORE 5.2

Impact of Volcanic Gas and Ash Emissions: Perspectives in Hazards Assessment

Guest Editors:

Dr. Maria Pedone
ASI - Agenzia Spaziale Italiana, Rome, Italy

Dr. Hugo Delgado-Granados
Instituto de Geofísica, Universidad Nacional Autónoma de México, Mexico City, Mexico

Dr. Paola Manzari
Italian Spatial Agency, ASI, Via del Politecnico, 00133 Rome, Italy

Deadline for manuscript submissions:
closed (25 January 2024)

Message from the Guest Editors

Dear Colleagues,

This Special Issue of Geosciences aims to gather original research articles, reviews, and technical notes on Natural Hazard assessment, applied to geological systems, based on the collection of data and/or numerical modelling derived from in situ and remote sensing (including from satellites) measurements.

In volcanic systems, the passive release of fluids from hydrothermal and magmatic sources marks the inter-eruptive periods. The diffuse soil degassing activity can generate gas hazard, asphyxiation, allowing the accumulation of harmful gases, especially under low wind conditions or in depressed areas.

In addition, also the ash release and dispersal are crucial considering the effects of ash amounts into the high troposphere-low stratosphere. This Special Issue will examine the state of the art of monitoring, including the complete range of aspects: the acquisition of the data, its interpretation, its application to generate models and forecasts. We welcome papers aiming to understand natural events using in situ, proximal, and remote sensing observations, laboratory analyses, numerical modelling, geophysical/geochemical techniques.

geosciences

IMPACT FACTOR 2.7

CITESCORE 5.2

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Jesus Martinez-Frias
Instituto de Geociencias, IGEO (CSIC-UCM), C/ Del Doctor Severo Ochoa 7, Edificio Entrepabellones 7 y 8, 28040 Madrid, Spain

Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased 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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, ESCI (Web of Science), GeoRef, Astrophysics Data System, and other databases.
Journal Rank: CiteScore - Q1 (*General Earth and Planetary Sciences*)

Contact Us

Geosciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/geosciences
geosciences@mdpi.com
𝕏@Geosciences_OA