



Environmental Impact of Volcanic Emissions

Guest Editors:

Dr. Marcello Liotta

Istituto Nazionale di Geofisica e
Vulcanologia – Sezione di
Palermo, Via Ugo La Malfa, 153,
90146 Palermo, Italy

Dr. Pura Alfonso

Departament Enginyeria Minera,
Industrial i TIC, Universitat
Politécnica de Catalunya, 08242
Manresa, Spain

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Message from the Guest Editors

Dear Colleagues,

Volcanoes emit large amounts of products onto the Earth's surface as well as into the atmosphere. Based on their geochemical behavior, the volcanogenic elements move in several ways. The most refractory ones travel through solid particles and lava flows, semi-volatiles are usually abundant in volcanics but a significant amount are also emitted as gaseous chlorides and aerosol, and volatiles are mainly emitted as gaseous phases. Therefore, both violent eruptions, effusive activity, and quiescent degassing represent important sources of volcanogenic elements that affect the surroundings of the volcanic systems. The understanding of the processes governing the mobility and dispersion of volcanic elements is fundamental for constraining the environmental impact of volcanic emissions. This Special Issue aims to share scientific evidence, results, and ideas on the impact of volcanic emissions on the environment.





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Prof. Dr. Alberto G. Fairén

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

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.

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MDPI, Grosspeteranlage 5
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