

Special Issue

Impact of Volcanic Eruptions on the Atmosphere

Message from the Guest Editors

Considering the importance of understanding the impact of volcanic eruptions on the atmosphere, we invite researchers and scientists to submit papers for a Special Issue on this subject. This Special Issue aims to gather cutting-edge research, observations, and modelling studies to enhance our knowledge of how volcanic eruptions influence our atmosphere. We encourage the submission of papers focusing on a range of topics, such as the climate effects of volcanic emissions, the impact on atmospheric depositions and related atmospheric chemical processes, ash dispersion modelling and how it can influence the geochemical cycle of the elements, the impact of air quality on health and the environment, and mitigation strategies.

The objective of this Special Issue is to provide a comprehensive overview of the current state of knowledge and foster further advancements in this critical field. Contributions from interdisciplinary research teams, incorporating geology, atmospheric science, remote sensing, environmental geochemistry, and health sciences, among others, are highly encouraged.

Guest Editors

Dr. Roberto M.R. Di Martino
Prof. Dr. Francesco Parello
Dr. Sergio Calabrese

Deadline for manuscript submissions

closed (30 April 2024)



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About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

Dr. Daniele Contini

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