

Special Issue

Geosciences and the Abiotic Foundations of Sustainability and Resilience

Message from the Guest Editors

The Earth is a dynamic, interconnected system where biotic and abiotic components sustain biodiversity, geodiversity, and life-supporting processes. Geosciences are essential for understanding these interactions, guiding resource management, and addressing environmental risks. In the Anthropocene, increasing pressures threaten system stability, highlighting the need for geoconservation. Despite its importance for ecosystems and human well-being, geodiversity remains underrepresented in conservation. It is increasingly recognized as a core dimension of nature, reflected in studies of geoheritage, geosystem services, geotourism, geoeducation, and geoethics, as well as initiatives such as UNESCO Global Geoparks. This Special Issue highlights the abiotic dimension of the Earth system and its scientific, educational, and societal value. We welcome research articles, reviews, case studies, and conceptual work on geodiversity and geoheritage. Topics include geodiversity assessment and conservation; geoheritage and geosite management; geosystem services; geotourism and sustainable development; geoeducation; geoethics; and UNESCO Global Geoparks in sustainability and resilience.

Guest Editors

Prof. Dr. Hara Drinia

Department of Geology and Geoenvironment, National and Kapodistrian University of Athens, Panepistimiopolis, GR-15784 Athens, Greece

Dr. Alexandros Aristotelis Koupatsiaris

Department of Geology and Geoenvironment, National and Kapodistrian University of Athens, Sitia, 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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About the Journal

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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