

Special Issue

Global Climate Change and Geological Processes

Message from the Guest Editor

Global climate change, driven by release of greenhouse gases to the atmosphere from human activities, is dramatically changing the planetary environment and risks contributing to the “sixth mass extinction”. Earth’s climate has significantly and repeatedly changed throughout the geological past, and although the recent rate of global warming appears to exceed that during previous episodes of climate change, the geological record holds some of the only direct information about the planetary response to perturbation, and about how global biogeochemical cycles mediate the impacts of climate change on the biosphere. Geological data can serve to illuminate patterns and processes that can provide wider context for present-day observational data and help to constrain models predicting the future evolution of Earth’s climate. The main aim of this Special Issue is to provide more information by using multidisciplinary approach on distinctive time intervals affected by global climate and environmental changes along with severe biotic turnovers.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2019)



Geosciences

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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.

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