

Special Issue

Climate Change and Geotechnical Engineering

Message from the Guest Editors

During the 56th Rankine Lecture “Geotechnics, energy and climate change” by Prof. Jardine, it was stated how geotechnical engineering has matured sufficiently to contribute to resolving some of society’s grand challenges. Climate change represents one of these substantial challenges, recognized worldwide, that is having the greatest impact on our way of life and well-being. In this view, geotechnical engineering can play a key role in terms of the adaptation of earth structures and slopes to climate changes. Specifically, there is an increasing need to quantify the impacts of more severe and frequent extreme events on the short- and long-term behaviour of earth structures and response of natural/engineered slopes. However, despite there being several large-scale studies devoted to investigating various aspects of climate change, a clear gap in the state of knowledge still exists with reference to the analysis of the resilience of geotechnical structures, and natural and engineered slopes to changes in climatic trends.

Guest Editors

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Deadline for manuscript submissions

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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. John C. Eichelberger

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