Advanced Numerical Modelling and Analysis in Geotechnical Engineering

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Message from the Guest Editors

This Special Issue of Geosciences aims to gather high-quality original research articles, reviews, and technical notes on the use of advanced numerical modelling and analysis in geotechnical engineering.

Today, the upcoming need to construct more sustainable and resilient new geostructures or re-purpose and re-use existing ones creates a more significant challenge for geo-engineers and geo-scientists, who are requested to design complex projects while optimising available resources. It is evident that numerical modelling is widely used to design or back-analyse geotechnical structures. However, advances in the speed and memory of computers mean that it is no longer just experts that use them, as increasingly sophisticated tools are being used by more and more engineers and geoscientists to build and run ever more complex models. There is, therefore, a greater need for knowledge sharing and returns of experience and lessons learnt amongst the geoengineering and geosciences community on this topic.

Special Issue

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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 coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased 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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