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Geotechnical Risks in Rock Mechanics and Sustainable Infrastructures

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Message from the Guest Editors

There are many geological and geotechnical risks, and the challenges of infrastructure construction in search of greater comfort, better connectivity, and more equitable distribution of resources are becoming increasingly demanding. This need for infrastructure must determine its construction in a safe and sustainable manner.

This Special Issue aims to provide a source of geotechnical hazards in rock mechanics that must be taken into account for the construction of infrastructures and that through theoretical developments, empirical studies, or real experiences help to better understand the geotechnical environment in order to identify mechanisms of breakage in the ground, risks, and potential damage, contributing to safer construction in the future. In particular, among other phenomena that affect sustainable construction can be considered: landslide, rock falls, failures and large settlements, dissolution of soluble rocks and karstification, bearing capacity of foundations, offshore foundations (e.g., the pile foundation of offshore wind turbines), rock alterability, etc.

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Message from the Editor-in-Chief

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