



## Geological Modeling and Geomechanical Characterization of Rock Masses for Civil and Mining Engineering Practice

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Deadline for manuscript  
submissions:

**30 June 2024**

### Message from the Guest Editors

Dear Colleagues,

Technical planning of civil and mining engineering projects requires accurate 3D geological modeling of the considered area and robust data on mechanical properties of occurring rock masses.

The characterization of mechanical response of rock masses represents one of the most challenging issues for both geologists and engineers. The main difficulties are usually related to the compositional heterogeneities and to the anisotropic behavior that is often the consequence of the occurrence of mechanical discontinues (e.g., foliations, fractures, faults, stratigraphical layering). The process of scaling laboratory and field measures, from rock sample to the entire rock mass, is not straightforward and needs to be carefully evaluated.

This Special Issue welcomes original research, reviews, and case studies concerning any aspects related to the building of geological and geostructural models, the characterization of mechanical properties of rocks and rock masses, and their influence in civil and mining engineering projects, including geological and geostructural field studies, field investigations, laboratory tests, and remote sensing analyses.





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## Message from the Editor-in-Chief

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