

Special Issue

Innovative Experimental Methods, Advanced Field/in-Situ Testing, and Their Engineering Applications in Geomechanics

Message from the Guest Editors

This Special Issue aims to solicit a wide range of papers (including original research articles and review papers) to comprehensively showcase the latest technological advancements, innovative methods, and engineering applications of experimental methods in geomechanics—with a specific focus on field testing, in situ testing, and case studies. It also encourages discussions on innovative research paradigms that optimize experimental design, enhance data reliability, and strengthen the connection between experimental results and practical engineering. This Special Issue will welcome manuscripts that link together the following themes:

- Innovative experimental methods for geomechanical problems;
- Advanced field and in situ testing technologies for geomechanical investigations;
- Rock mass failure/ instability: experimental observation, mechanism analysis, and engineering case studies;
- Applications of experimental methods in energy geotechnics;
- Experimental data processing and interpretation;
- Case studies of geomechanical engineering;
- Multi-scale experimental technologies for geological materials.

We look forward to receiving your original research articles and reviews.

Guest Editors

Dr. Huaibo Song

Dr. Bin Zhu

Dr. Siqi Zhang

Dr. Jiaming Li

Deadline for manuscript submissions



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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.

Editor-in-Chief

Prof. Dr. Alberto G. Fairén

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