

## Special Issue

# Computational Mechanics and Digital Applications in the Mineral Resources Sector

### Message from the Guest Editors

This Special Issue investigates the importance and efficiency of computational mechanics and digital applications in several disciplines of the mineral resources sector, like mining, post-mining, mineral processing, geotechnical engineering, and rock mechanics. The focus is on introducing innovative developments, addressing advantages and bottlenecks, and demonstrating tangible outcomes through case studies worldwide. The expected outcome of this Special Issue is to demonstrate how computational power has evolved in the mineral resources sector, how applications are optimising operations throughout a mine's life cycle, and how this impacts the education and training of future engineers. Please do forward this call for papers to your team members and colleagues who may also be interested in the topic.

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### Guest Editors

Dr. George Barakos  
Dr. George Xiroudakis  
Prof. Dr. Diyuan Li

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### Deadline for manuscript submissions

closed (30 April 2025)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
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