

## Special Issue

# Advances in Mining Technology and Equipment: Innovations and Case Studies

### Message from the Guest Editors

The fuel and energy sectors are currently undergoing a significant technological transition, driven by the increasing integration of advanced mineral extraction and processing technologies. These innovations are critical to ensuring the sustainable development of countries whose economic stability and growth are heavily reliant on the exploitation of mineral resources. This special issue aims to present the current state of research and technological advancement in the mining sector. It will feature case studies of ongoing mining projects, as well as recent developments in mining methods and engineering solutions. Topics of interest include advanced mining technologies, computational modeling, next-generation mining equipment and materials, occupational safety innovations, and the economic optimization of mining operations. Additionally, the issue will address sustainable resource recovery approaches, environmental impact assessment methodologies, and the integration of digital technologies, such as automation, remote sensing, and artificial intelligence, into modern mining practices.

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