



## Numerical Model and Artificial Intelligence in Mining Engineering

Guest Editors:

**Dr. Zhi Yu**

**Prof. Dr. Jianhua Hu**

**Prof. Dr. Jian Zhou**

**Dr. Binglei Li**

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submissions:

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### Message from the Guest Editors

We invite you to contribute to this Special Issue on “Numerical Model and Artificial Intelligence in Mining Engineering,” with original research focused on numerical simulations or AI techniques addressing challenges in the mining sector.

In this Special Issue, original research articles and reviews are welcome. Topics of interest include but are not limited to rock mechanics, drilling and blasting, rockburst prevention, and the application of machine learning techniques in mining engineering.

With the rapid advancement of computer technology, numerical simulation and artificial intelligence have emerged as innovative tools for addressing mining-related challenges. Numerical simulation allows for analyzing material unit scales, enabling researchers to gain a deeper understanding of on-site engineering issues and to analyze underlying scientific principles. Artificial intelligence, as one of today's leading-edge technologies, mimics human brain learning and knowledge application, offering novel solutions to complex nonlinear problems in mining. Consequently, new theories, technologies, and practical applications in these areas merit significant attention.





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**Prof. Dr. Francisco Chiclana**  
School of Computer Science and  
Informatics, De Montfort  
University, The Gateway,  
Leicester LE1 9BH, UK

## Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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*Mathematics* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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