Special Issue

Mathematical Modeling and Analysis in Mining Engineering

Message from the Guest Editor

In the field of mining engineering, mathematics serves as a fundamental tool across various specialized domains, including (but not limited to) geological modeling and geostatistics, ventilation network analysis and solutions, mine production planning and scheduling, engineering geological model and stability analysis, and mining complex scene perception and modeling. We seek papers that offer innovative approaches to geological modeling and geostatistics and that address the implementation of various interactions within mining systems. We also welcome research on topics such as ventilation network analysis and solutions, mine production planning and scheduling, engineering geological modeling and stability analysis, and mining complex scene perception and modeling. We are particularly interested in studies where the integration of mathematical and computational methods advances our understanding and solutions in these areas. We look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

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Mathematics

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About the Journal

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

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