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Editorial

We are pleased to present this special issue, which features selected papers from the GEOMINE 2024 Biannual International Conference on Geology and Mining, organized by the School of Geology and Mining Engineering at the Mongolian University of Science and Technology (MUST). This issue brings together a collection of high-quality contributions that reflect the latest developments and research directions presented at the conference.

We would like to express our sincere appreciation to Professors B.Altantuya and B.Orkhontuul from the Department of Mineral Processing and Engineering, School of Geology and Mining Engineering, MUST, as well as to the other invited researchers who actively contributed to the selection and peer-review process of the conference submissions. Their expertise and dedicated efforts, together with the commitment of the journal's editorial team, were essential to the successful preparation and publication of this special issue.

The present issue provides an opportunity to broaden the scope of the journal and to strengthen its role as a platform for disseminating advanced research in geology and mining engineering. It also reflects our ongoing efforts to promote collaboration between academia and industry, and to support the development of innovative solutions to contemporary challenges in the geosciences.

The six papers included in this issue address key topics such as mining technology selection, mineral processing, mining machinery and equipment, and optimization techniques. Collectively, these contributions demonstrate the wide-ranging potential of research in the geosciences, as well as its practical significance for improving efficiency, sustainability, and technological advancement in the mining sector.

We believe that this special issue will be of considerable interest to researchers, practitioners, and students, and will contribute to advancing knowledge and fostering further research in the field. We also extend our gratitude to the authors for their valuable contributions and to the reviewers for their constructive feedback, which has helped improve the quality of the published work.

Finally, we hope that this issue will serve as a useful reference and a source of inspiration for future research endeavors in geology and mining engineering.

[Editor-in-Chief](#)

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