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Advanced Sustainable Mining and Technical Systems: Development, Optimization, and Application

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Message from the Guest Editors

The main topics of this Special Issue focus on solving the urgent problems of sustainable development related to MTS:

- Energy efficiency of the mining industry
- Innovative solutions for open-underground and physical-chemical geotechnology
- Geo-mechanical support of mining
- Improvement of mining transport and mining equipment
- Mining waste using
- Auxiliary processes in the mining and technical system (power supply, ventilation, drainage)
- Industry 4.0 technologies and digitalization of mining and technical system
- Decisions making methods, modeling, optimization and risk assessment of the mining and technical system
- Methods and ways of reducing the technogenic impact of mining systems
- Environmental, social, and corporate governance (ESG) issues in the mining and technical system



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Special Issue



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Message from the Editor-in-Chief

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