

## Special Issue

# Recent Advances in Mineral Processing and Coal Preparation for Sustainable Development

### Message from the Guest Editors

The purpose of the Special Issue "Recent Advances in Mineral Processing and Coal Preparation for Sustainable Development" is to provide an up-to-date discussion and new outlook on the broad field of green coal mining, low carbon utilization, sustainable development of coal industry, water resource protection, and utilization in coal mining and engineering applications. The topic of this Special Issue not only includes the latest progress of mineral processing and coal preparation for sustainable development but also provides new mechanic theory in rock engineering, including AI-based rock mechanics, non-continually mining-induced mechanics, cluster mechanics, and critical mechanics used in safe mining coal and coal carbon-correlated new materials. Recent advancements in theory, lab or in-situ test, numerical modeling, and perspective view of sustainable development in coal mining are also encouraged for discussion. The key technologies improving the efficiency or enhancing the sustainability of coal usage, considering low-carbon emission or carbon collection are also welcome to supplement the existing literature or patents.

### Guest Editors

Dr. Dongjie Xue

Prof. Dr. Xiaofeng Yang

Dr. Zhiguo Cao

Dr. Fuqiang Gao

Dr. Yongliang Wang

### Deadline for manuscript submissions

closed (31 July 2023)



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### Editor-in-Chief

Prof. Dr. Marc A. Rosen

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