

## Special Issue

# Advances in Coal Processing, Utilization, and Process Safety

### Message from the Guest Editors

We seek to gather high-quality research focused on the latest developments in mine safety engineering, coal seam gas migration theory, mineral processing, and utilization technologies. The Issue aims to explore new methods, models, and technologies that enhance process safety and provide predictive insights into potential risks in coal mining and mineral processing. Topics include, but are not limited to the following:

- The latest advancements in mineral processing technologies;
- Safety and efficiency optimization in mineral utilization;
- Innovative methods in mine safety engineering and disaster prevention;
- Mechanisms and prediction models for coal–gas dynamic disasters;
- Gas migration theory in coal seams and its applications in coal mine safety;
- Safety and emergency management systems for coal extraction operations;
- Simulation and predictive modeling of coal seam gas outbursts and rock bursts;
- New technologies in coal processing and their implications for process safety;
- Research on coal utilization and its safety impacts;
- Environmental and safety considerations in coal–gas extraction and utilization;
- The coal spontaneous combustion mechanism.

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### Guest Editors

Dr. Feng Du

Prof. Dr. Leilei Si

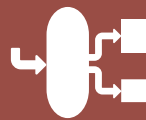
Prof. Dr. Chaojun Fan

Dr. Qiming Zhuo

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### Deadline for manuscript submissions

closed (31 December 2025)



## Processes

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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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