Special Issue

Unlocking Coal Gas from Interactions: Promoting Safe and Efficient Resources Recovery

Message from the Guest Editors

This Special Issue will focus on the impact of coal–gas interactions on flow behaviours and safe and efficient resource recovery. It will serve as a platform for international researchers from different disciplines to exchange knowledge and innovative solutions and to explore emerging technologies in key areas of coal and gas exploitation. This Special Issue welcomes the submission of relevant research papers. The presented papers will present a diversity of new theories, experiments and engineering practices in coal–gas resource recovery as it relates to fluid flow. Potential topics include, but are not limited to:

- Physical behaviour of natural gas flow in coal
- Gas–water–coal interactions in coal
- The role of fluids in enhanced gas recovery;
- Impact of macro- and micro-scale coal structure on gas flow;
- Geomechanics in coal gas extraction;
- Thermal impact on gas–rock interactions in coal;
- High-efficiency methods and technology increasing permeability of coal seam;
- Theory and technology of efficient development and utilization of coal gas resources;
- Gas accumulation and migration mechanisms in abandoned mines.

Guest Editors

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Prof. Dr. Jianguo Wang

Prof. Dr. Quan Gan

Dr. Guangyao Si

Deadline for manuscript submissions

closed (28 August 2023)

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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