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Coal Conversion Processes

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Message from the Guest Editors

This Special Issue focuses on the coal conversion processes through the prism of the transition to a CO₂-neutral energy production. The primary exploitation path of coal, i.e., coal combustion for energy production, is strongly affected by CO₂ emission-related penalties. This Special Issue presents the new policy and scientific developments for a more sustainable exploitation of coal that will enable versatility and provide energy security. High-quality technical knowledge and research results from specific tests around the world are being analyzed, providing a holistic view of the main aspects of the coal exploitation issue. The respective policies and the role of coal in the new era is analyzed, and the technical challenges are identified. As the coal-based energy production will be reduced, alternative paths are scrutinized. This includes coal liquefaction, underground gasification, co-combustion, and co-gasification with biomass and waste.



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Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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