



*energies*



an Open Access Journal by MDPI

## Coal Conversion Processes

Guest Editors:

**Dr. Panagiotis Grammelis**

Centre for Research &  
Technology Hellas, Chemical  
Process and Energy Resources  
Institute (CERTH/CPERI), 4th km.  
N.R. Ptolemais-Mpodosakeio,  
50200 Ptolemais, Greece

**Dr. Aristeidis Nikolopoulos**

Chemical Process and Energy  
Resources Institute, Centre for  
Research and Technology Hellas  
(CERTH), 52 Egialias Str., Marousi,  
GR-15125 Athens, Greece

Deadline for manuscript  
submissions:

**closed (1 May 2021)**

### Message from the Guest Editors

This Special Issue focuses on the coal conversion processes through the prism of the transition to a CO<sub>2</sub>-neutral energy production. The primary exploitation path of coal, i.e., coal combustion for energy production, is strongly affected by CO<sub>2</sub> 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.



[mdpi.com/si/21706](https://mdpi.com/si/21706)

# Special Issue



# energies



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (*Engineering (miscellaneous)*)

## Contact Us

---

*Energies* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://x.com/energies_mdpi)