Special Issue

Coal Conversion Processes: 2nd Edition

Message from the Guest Editors

This Special Issue presents the new policy and scientific developments for a more sustainable exploitation of coal that will enable versatility and provide security of supply in the energy and industrial sectors. High-quality technical knowledge and research results from specific tests worldwide are 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 are analyzed, and the technical challenges are identified. CCU-S technologies can promote the environmentally benign use of coal, and since coal-based production will be reduced, alternative paths are scrutinized. This includes coal liquefaction, underground gasification, co-combustion, and co-gasification with biomass and waste. Keywords

- coal co-combustion
- CCU
- CCS
- coal liquefaction
- co-gasification
- coal policy

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 (30 April 2024)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/188985

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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 (Control and Optimization)