energies

an Open Access Journal by MDPI

IMPACT FACTOR 2.676

Coal Conversion Processes

Guest Editors:

Dr. Panagiotis Grammelis
Chemical Process & Energy Resources Institute (CPERI), Centre for Research and technology Hellas, Thessaloniki 57001, Greece

grammelis@certh.gr

Dr. Aristeidis Nikolopoulos
Chemical Process & Energy Resources Institute (CPERI), Centre for Research and technology Hellas, Thessaloniki 57001, Greece

a.nikolopoulos@certh.gr

Deadline for manuscript submissions:
20 July 2019

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.

energies

an Open Access Journal by MDPI

IMPACT FACTOR 2.676

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Room 32, 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 by the Science Citation Index Expanded (Web of Science), Ei Compendex, Scopus and other databases.
Rapid publication: manuscripts are peer-reviewed and a first decision provided to authors approximately 15 days after submission; acceptance to publication is undertaken in 6.0 days (median values for papers published in the first six months of 2018).

Contact Us

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

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
@energies_mdpi