Special Issue

Pyrolysis and Gasification of Biomass and Waste II

Message from the Guest Editor

Currently, the use of renewable solid fuels, which include biomass, is of increasing importance. At the same time, the amount and variety of solid waste generated, which should be reused, is growing. Both waste and biomass can be utilized in an efficient and environmentally friendly manner using thermochemical processes such as pyrolysis and gasification. These processes enable the conversion of the mentioned raw materials into useful products, while significantly reducing their negative impact on the environment and the emission of toxic compounds into the atmosphere. The Special Issue aims to present the results of research on the course of gasification and pyrolysis of biomass and waste, allowing assessment of the raw material used as well as providing information on the mechanism of these processes, intensification and optimization of the gasification and pyrolysis techniques used, and modelling of these processes. Original research articles, as well as review articles, are welcomed.

- biomass
- waste
- gasification
- pyrolysis

Guest Editor

Prof. Dr. Grzegorz Czerski
Faculty of Energy and Fuels, AGH University of Science and Technology, al. Mickiewicza 30, 30-059 Krakow, Poland

Deadline for manuscript submissions

closed (20 July 2024)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/135323

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)