

Special Issue

Fluidized Bed Technologies for Bio-Based Materials Conversion: Advancing Combustion, Pyrolysis, and Gasification

Message from the Guest Editors

In the context of current efforts toward achieving net-zero emissions, real and scalable solutions for sourcing energy and chemical feedstocks, with a shift away from fossil fuels, are needed. Fluidized bed technologies offer just such possibilities, though their application to date has largely relied on non-renewable raw materials. With this special issue, we encourage all specialists, scientists, and practitioners involved in the development of fluidized bed technologies to share their knowledge and ideas, with particular emphasis on applications related to biofuels.

Guest Editors

Prof. Dr. Witold Żukowski

Faculty of Chemical Engineering and Technology, Cracow University of Technology, Warszawska 24, 31-155 Cracow, Poland

Dr. Gabriela Berkowicz-Płatek

Faculty of Chemical Engineering and Technology, Cracow University of Technology, 31-155 Kraków, Poland

Deadline for manuscript submissions

25 May 2026



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/240745

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

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



[mdpi.com/journal/
energies](https://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)