

Special Issue

Environmentally Friendly Biofuel Production

Message from the Guest Editors

The changes in environmental and climate conditions, as well as economic growth and the increase in energy consumption, have led to an intensification of research on alternative fuels to replace fossil fuels. Nowadays, the dynamic development of alternative energy sources and the use of waste and biomass for the bioenergy production are possibilities to improve the energy mix. In addition, it is worth reaching for new, less popular and prospective solutions as well as various solutions based on the principles of bioeconomy. This Special Issue aims to present and disseminate the most recent advances related to bioprocess engineering, sustainable development, and the circular economy connected to environmentally friendly biofuel production. Topics of interest for publication include, but are not limited to:

- All aspects of energy crop cultivation and processing harvested biomass into bioenergy.
- Technical and economic aspects of biofuel production efficiency.
- Bioprocess engineering and its application in a circular economy.
- Novel applications of biofuel production according to sustainable development.
- Advanced technologies of waste conversion into biofuels.

Guest Editors

Dr. Jakub Frankowski

Department of Bioeconomy, Institute of Natural Fibres and Medicinal Plants—National Research Institute, Wojska Polskiego 71B, 60-630 Poznań, Poland

Prof. Dr. Wojciech Czekala

Department of Biosystems Engineering, Poznań University of Life Sciences, Wojska Polskiego 50, 60-627 Poznań, Poland

Deadline for manuscript submissions

closed (16 April 2024)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/137878

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)