



energies



an Open Access Journal by MDPI

Bioenergy Generation from Different Types of Waste by Anaerobic Digestion

Guest Editors:

Dr. Agnieszka Pilarska

Department of Plant-Derived
Food Technology, Poznań
University of Life Sciences, ul.
Wojska Polskiego 31, 60-624
Poznań, Poland

Prof. Dr. Krzysztof Pilarski

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

Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

In view of the energy crisis and climate change, the world is searching for sources of green energy to replace fossil fuels. Energy security and especially the supplying of renewable energy and reduction of CO₂ emissions have become priorities in energy policy. Thanks to biotechnologies based on anaerobic digestion (AD), it is possible to obtain biogas with high methane content, which can be used as an alternative source of energy. Anaerobic digestion is based not only on waste from agriculture, horticulture, forestry, food processing, and wood processing but also on municipal, packaging, medical, veterinary, and chemical waste. The concept of zero liquid discharge (ZLD) is one of the methods to achieve sustainable development of bioenergy. This Special Issue focuses on recent advances in the conversion of waste to bioenergy, especially biogas and biohydrogen in the AD process. In order to implement AD as a method of disposal of waste of various origins, it is necessary to systematically broaden knowledge about the physicochemical and biochemical nature of the process.

Dr. Agnieszka Pilarska
Prof. Dr. Krzysztof Pilarski
Guest Editors



mdpi.com/si/72526

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

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 within Scopus, SCIE (Web of Science), Ei Compindex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)