Special Issue

Biofuel Production and Bio-Waste Management

Message from the Guest Editors

Global trends in waste management, such as achieving the Net Zero goal by 2050 and RE100, are aimed at reducing waste generation and converting waste into energy. Recently, countries have been leveraging underutilized biomass resources and securing critical resources for the carbon-neutral era. This Special Issue shares the latest transformations within the waste management sector, which are in line with Net Zero, as well as emerging research trends in waste-to-energy conversion worldwide. In particular, we will identify trends in energy conversion research related to untapped biomass resources in different countries, with a view toward fostering technological and academic advancements. Topics of interest for publication include, but are not limited to:

- Waste-to-Energy technology;
- Biomass-to-Energy technology;
- Energy-harvesting technologies;
- Thermochemical conversion;
- Biological technology;
- Biochar production and conversion technologies;
- The application of biochar;
- Efficient energy conversion systems;
- Energy conversion and environmental management.

Guest Editors

Dr. Daegi Kim

Department of Environmental and Technology Engineering, College of Engineering, Daegu University, Gyeongbuk 38453, Republic of Korea

Dr. Jongkeun Lee

Department of Environmental and Energy Engineering, School of Smart and Green Engineering, College of Engineering, Changwon National University, Gyeongnam 51140, Republic of Korea

Deadline for manuscript submissions

closed (31 August 2024)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/175687

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)

MDPI