Special Issue

Sustainable Energy Development in Liquid Waste and Biomass

Message from the Guest Editor

Research attention has fallen on biomass as an alternative. Biomass materials are classified as renewable energy (bioenergy) resources due to the fact that the carbon dioxide emitted in the processes of their combustion or thermal conversion does not increase the carbon dioxide content in the atmosphere as it is counterbalanced by the carbon dioxide intake by plants. Bioenergy can be generated from the biomass as heat, power, or biofuels (solid, liquid, or gaseous) via thermochemical or biochemical processes. The comprehensive use of low-cost, highly available and unavoidable biomass for energy generation is not only sustainable and climate friendly but will also help the world realize the twin concepts of bioeconomy and circular economy. This Special Issue therefore calls for researchers in the domain of renewable energy, biomass, wood waste, agricultural waste, food waste, municipal solid waste, and sewage sludge waste as well as liquid wastes such as commercial wastewater, industrial wastewater, residential sewage, domestics holding tank waste and runoff waste, among others. Our submission deadline is 25 February 2024. Please do notify us if you need an extension.

Guest Editor

Dr. Timothy Sibanda

School of Molecular and Cell Biology, Faculty of Science, University of the Witwatersrand, Johannesburg 2050, South Africa

Deadline for manuscript submissions

closed (14 September 2024)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/184027

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