energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.2

CITESCORE 7.3

Advances in Sustainable Energy from Biomass and Waste

Guest Editors:

Dr. Muhammad Sajjad Ahmad
Department of Chemical Engineering, University of Waterloo, Waterloo, ON N2L 3G1, Canada

Dr. Imtiaz Ali
Department of Chemical and Materials Engineering, King Abdulaziz University, Rabigh 21589, Saudi Arabia

Dr. Mudassar Hussain Tahir
Department of Chemistry, Kyoto University, Kyoto 606-8501, Japan

Deadline for manuscript submissions:
closed (21 May 2024)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to invite contributions on topics such as thermokinetics simulation models, advanced characterization techniques, biofuel and bioenergy conversion processes, lab-scale reactor design for pyrolysis and gasification, and techno-economic and environmental impact assessment methods. Keywords include energy conversion, bioenergy, process optimization, and waste-to-energy technologies.

To achieve further progress and development, we invite your contributions on the following topics:

- Thermokinetics simulation models to predict biomass and waste characteristics;
- Advanced characterization techniques of biomass and waste materials;
- Biofuel and bioenergy conversion process with strong experimental evidence;
- Lab-scale reactor design for pyrolysis and gasification for product validation;
- Techno-economic and environmental impact assessment methods using advanced techniques.

Dr. Muhammad Sajjad Ahmad
Dr. Imtiaz Ali
Dr. Mudassar Hussain Tahir
Guest Editors

mdpi.com/si/172208

Special Issue

energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.2

CITESCORE 7.3

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 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 Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/energies
energies@mdpi.com
𝕏@energies_mdpi