



energies



an Open Access Journal by MDPI

Biomass Resources and Bio-Energy Potential—2nd Edition

Guest Editor:

Dr. M. A. Fazal

Department of Mechanical and
Materials Engineering, University
of Jeddah, Jeddah, Saudi Arabia

Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editor

Conventional fossil fuel is vital in global transportation and power generation systems due to its availability, combustion performance, and accessibility. However, the combustion of fossil fuel generates harmful emissions (e.g., CO₂, SO₂ and NO_x etc.), and pollutes the environment. Furthermore, depletion of reservation and the increased cost of and demand for fossil fuel have propelled the world energy industries to seek alternative and sustainable replacements. As a result, the entire world is striving to find viable renewable energy resources. Biofuel is the most promising renewable energy source for use in combustion engines and power generation systems. Diesel fuel blends containing up to 20% biodiesel are currently used in diesel engines without any modification. However, several critical issues exist in this field, including feedstock availability, production technology, energy yield, cost, storage stability, fuel properties, corrosivity, materials compatibility, etc. A considerable number of studies on these topics have been conducted both experimentally and numerically. The present Special Issue is dedicated to papers addressing these issues.



mdpi.com/si/185842

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 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](https://twitter.com/energies_mdpi)