Special Issue

Woody Biomass for Bioenergy Production

Message from the Guest Editor

As an important renewable and sustainable energy resource, forest biomass is considered as the primary energy resource. Woody biomass can be converted to biofuels by different methods, such as thermal, chemical, and biochemical methods. Woody biomass, as an energy source, can either be used directly via combustion to produce heat, or indirectly after converting it to different biofuels. The focus of this Special Issue to classify woody biomass, harvesting technologies, supply chain logistics, physical and chemical properties, mechanical preprocessing (size reduction, and densification), and drying. In this Special Issue, emphasis will be on thermal pretreatments, such as torrefaction and hydrothermal carbonization, which makes woody biomass suitable for cofiring and thermochemical conversion to produce liquid fuels using technologies like pyrolysis and gasification. International trade of solid and liquid fuel products produced using woody biomass is also within the scope of the Special Issue.

Guest Editor

Dr. Jaya Shankar Tumuluru
Southwestern Cotton Ginning Research Laboratory, United States Department of Agriculture, USDA-ARS, Las Cruces, NM 88005, USA

Deadline for manuscript submissions

closed (29 February 2020)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/6814

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)