



Woody Biomass for Bioenergy Production

Guest Editor:

Dr. Jaya Shankar Tumuluru

United States Department of
Agriculture, Southwestern Cotton
Ginning Research Laboratory,
USDA-ARS, Las Cruces, NM 88005,
USA

Deadline for manuscript
submissions:

closed (29 February 2020)

Message from the Guest Editor

Dear Colleagues,

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.

Dr. Jaya Tumuluru
Guest Editor





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)