Special Issue

Biomass Energy Fuels

Message from the Guest Editor

The beginning of the 21st century was marked by a surge in scientific interest in wastes utilization due to their catastrophically increasing from year to year. The secondary biomass is characterized with high oxygen and low caloricity, high moisture and problems with storage and transportation. So, this new feedstock has to be improved and existing coal-used technologies have to be adapted to it. Biomass pyrolysis, torrefaction and hydrothermal processing (carbonyzation, gasification or liquefaction) coud be used as feedstock upgrading technologies making it possible unify the initial biomass forming a certain standard fuel (hydrophobic, high-calorie, environmentally friendly). The key points of technologies for secondary biomass utilization are:

- Producing of energy gases with high calorific value;
- Producing of biochar with desired properties;
- Producing of high-quality liquid fuels.

We welcome original research papers and reviews on the production of energy fluids from secondary biomass, including gasification of biomass and biochar, biomass and biochar processing.

Guest Editor

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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.

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