Special Issue

Energy from Agricultural and Forestry Biomass Waste

Message from the Guest Editor

A circular economy is a sustainable economic system in which the reduction in and recirculation of natural resources allows for economic growth to be decoupled from resource utilization. Bio-residuals from agriculture and forestry represent one category of natural resources that have great potential for reduction and recirculation through their conversion to biofuels. Examples of currently under-utilized bio-residuals include agricultural waste streams rich in lignocellulosic biomass. These bio-residuals are readily available in most countries, and they can be used to produce a wide range of biofuels including, biogas, bio-oil, ethanol and bio-diesel. Despite ongoing research activities in the field, there are still many challenges that need to be adequately addressed before bio-residuals become a significant feedstock for bio-fuels. This Special Issue seeks to contribute to disseminating the most recent advancements in the field with respect to both experimental and numerical studies. The focus is placed on research covering all aspects producing bio-fuels from bio-residuals, including feedstock selection, pre-treatment, reaction kinetics and product purification.

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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