Special Issue

Investigation of the Thermal Behaviour of Different Biomasses

Message from the Guest Editor

Biomasses are characterized as feedstocks that possess a significantly lower or a neutral CO2 footprint in their utilization compared to fossil feedstocks. This class of biomass feedstocks covers an extremely broad range of material, from agricultural and herbaceous biomass, wood and woody biomass, aquatic biomass, animal and human biomass waste, and industrial biomass wastes as well as bio-based materials, which are already characterized by a remarkable variation within each group and, in particular, an even more significant variation between each group. In contrast to the fossil feedstocks, biomasses are accompanied by a higher variation in their chemical and ash composition. This is a result of the fact that biomasses exhibit extraordinary sort- and origin-specific properties. This Special Issue focusses on all aspects of biomass feedstocks, from their use in thermal conversion processes to their emissions and residual materials, which can be best described by understanding the feedstock–process relationship for biomass utilization.

Guest Editor

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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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