Special Issue

Advances in the Thermochemical Decomposition of Biomass

Message from the Guest Editor

Biomass represents a sustainable and economical source for the production of renewable fuels and carbon materials. Thermochemical conversion is used to transform raw biomass into energy vectors or porous carbonaceous materials that are the basis of several environmental applications. For example, Biochar, the solid product of thermal decomposition of biomass, has been proposed as a porous, functionalized electrode for fuel cells or batteries, as a support for heterogeneous catalysis, or as an adsorption medium for water, air, or soil remediation. However, much of the fundamentals of the thermochemical conversion of biomass remain to be understood. This Special Issue will gather recent advances in biomass thermal conversion with the aim of bridging the knowledge gaps between a process that requires further study and the many highly sought-after applications that rely on that process.

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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