

Special Issue

Utilization of Biomass Energy in Agriculture: Technology, Challenges and Opportunities

Message from the Guest Editor

Biomass energy is a renewable, energy-efficient and environment-friendly energy that could play an important role in the optimization of the energy consumption structure, the increase of agricultural productivity and the improvement of environmental conditions. Agricultural wastes are regarded as the most important raw materials for biomass energy production, and can be converted into solid, liquid and gaseous fuels or other energy products through direct combustion, chemical methods, thermochemical conversion, and biological conversion. From this aspect, the utilization of biomass energy mostly refers to the treatment and use of agricultural waste by those bioenergy conversion technologies, while the byproducts from bioenergy generation can be also applied in the agriculture. This Special Issue focuses on utilization of biomass energy in agricultural wastes conversion processes, the valorization of the byproducts, the conversion technology and equipment, and its commercial mode. Industrial policy, economic analysis, and environmental impact assessment of biomass energy can be also included in this Issue. Original research articles and reviews are welcome.

Guest Editor

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Message from the Editor-in-Chief

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