

Special Issue

Biomass Processing and Conversion Systems

Message from the Guest Editor

Sustainable development, and in particular rational waste management, constitutes a major challenge to contemporary industries. An efficient way of recycling waste biomass is to use it as a substrate in biological processes. A sustainable solution should also be consistent with the green chemistry concept, according to which processes should be designed and conducted to minimize hazards to the natural environment. Green chemistry implies the application of alternative ways of synthesizing chemical compounds and the optimization of process conditions so as to increase selectivity and decrease waste. This Special Issue focuses on recent developments in biomass (especially waste biomass: wood or forest residues, waste from food crops, horticulture, food processing, animal farming, or human waste from sewage plant) biological conversion, and valorization. Safely reusing waste/biomass should lead to its transformation into valuable compounds and materials; energy and fuels or platform chemicals.

Guest Editor

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