

Special Issue

Experimental Investigation and Modeling of Biowaste Conversion into Renewable Energy and Resources

Message from the Guest Editor

Biowaste is a valuable renewable source of organic components that can be easily upgraded to biofuels and various chemicals and materials. In addition to solving the problem of biowaste disposal, the valorization of biowaste towards biofuels and biochemicals also reduces the negative environmental and economic consequences of using fossil fuels. The development and successful commercialization of biowaste conversion processes essentially depend on the precision of the process and design of the equipment, which require knowledge of the present reaction mechanisms and transport phenomena. This Special Issue is dedicated to the experimental and computational optimization of the process of converting biowaste into renewable energy and resources. Topics include, but not are limited to, the following:

- Thermochemical conversion of biowaste;
- Biochemical conversion of biowaste;
- Biowaste conversion process modeling and simulation;
- Integrated process design and optimization of biowaste conversion.

Guest Editor

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