Special Issue

Organic Waste Valorization for Bioenergy, Biofuels, and Value-Added Products

Message from the Guest Editors

The world produces 2.01 billion tonnes of municipal solid waste per annum. Organic fractions of municipal waste represent one of the major dumping wastes in our day-to-day life. By 2030, it is expected that global waste could reach 3.40 billion tons. Hereafter, it is an alarming situation for the world's scientific community to shift focus toward the development of biological processes which could utilize waste as a substrate, simultaneously playing a role in economic development (Dahiya et al., 2018). This Special Issue aims to present and disseminate the most recent advances related to organic waste utilization (food waste, kitchen waste, fruit waste, etc.) for bioenergy, biohydrogen, renewable chemicals, biopolymers, and other value-added products. Topics of interest for publication include, but are not limited to: bioenergy production (biohydrogen or biomethane); biopolymers and biocomposites; short-chain and/or medium-chain fatty acids; bioethanol or biodiesel; succinic acid production; resource recovery from waste; biorefinery systems; waste valorization.

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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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