

Special Issue

Food Waste to Biofuels

Message from the Guest Editors

Due to the existential impacts of the consumption of fossil-based fuels on the global biosphere via the release of greenhouse gases, the research of non-fossil-based alternatives has been promoted for decades. One promising source of non-fossil-based alternatives are biomasses that can be processed into biofuels; this is a main pillar of the renewable energy sector. Of all the biomass candidates, food waste is considered a promising resource due to its proliferating volume and lack of alternative applications. This Special Issue is focused on both the biochemical conversion, such as biogas production via anaerobic digestion and the thermochemical conversion of food waste, such as pyrolysis, gasification, and hydrothermal liquefaction via catalytic and non-catalytic processes. This Special Issue will also report upon the characteristics of various municipal, communal and agricultural wastes, a range of catalytic and non-catalytic thermochemical conversions, different heterogeneous and homogeneous catalysts, and the numerous characteristics of the biofuels produced.

Guest Editors

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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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