

Special Issue

Valorisation of Wastes: Environmental Sustainability and Production of Biofuels by Advanced Technologies

Message from the Guest Editor

This Special Issue aims to provide an overview of the current methods for the conversion of different waste and byproduct streams (e.g., biomass, municipal and rural waste, plastics, and composites, among others) to develop biorefinery concepts. Papers related to environmental problems derived from the processes described above and their impact on the circular economy are also in the scope of this Special Issue. Also of interest are technologies for energy recovery of waste, including fermentation, anaerobic digestion, incineration, pyrolysis, gasification processes, and new strategies that could reduce the impact on the environment.

- biomass and waste valorization;
- biodiesel production;
- waste thermal treatments;
- alcoholic fermentation and bioalcohols production from wastes;
- anaerobic digestion and biogas;
- use of microalgae for waste and wastewater treatment;
- biorefineries;
- circular economy related to the production of biofuels.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

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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