



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

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### Message from the Guest Editor

Dear Colleagues,

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.





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## Message from the Editor-in-Chief

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