

Special Issue

Chemical Recycling of Waste Plastics

Message from the Guest Editors

This Special Issue of *Molecules* concerns publications of research related to chemical recycling and conversion of waste plastics to petrochemical feedstock, fuels and/or other value-added chemicals. Although the issue aims to bring together research related to catalysis, material synthesis and sciences using various methods for the mitigation of waste plastics, there is also a possibility to include research on the environmental impacts and handling of waste bioplastics. In this context, this issue covers the sustainable routes for the development of catalysts, study of physio-chemical properties and their effect on the activity and selectivity of the synthesized catalysts towards the chemical and biochemical recycling of waste plastics in general. Keywords:

- heterogeneous catalysis
- nanomaterials
- green chemistry
- thermoplastics
- bioplastics
- waste plastics to fuels
- chemical recycling of plastics
- biochemical recycling of plastics
- feedstock recycling
- plastics degradation
- life cycle assessment
- higher value products
- cleaner production

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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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