



recycling

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Advances in the Recycling and Processing of Plastic Waste

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Message from the Guest Editors

Dear Colleagues,

More than eight billion tons of plastic waste has accumulated worldwide over the past 50 years. The majority (80%) of the waste goes directly into landfills and 3% ends up in the oceans. At the current rate, we are heading towards more plastic than fish in the ocean by 2050. Plastics are persistent in the environment and degrade slowly (over a century), releasing fragments, microplastics, and toxic chemicals into our environment.

The overall goal of this Special Issue is to shed light on the area of plastic waste recycling. Topics of interest include (but are not limited to) advanced mechanical recycling, chemical recycling, biodegradable plastic material development, microplastic characterization/mitigation, characterization advancement for plastic waste, and recycling policy analysis.

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Special Issue