



## Degradation of Plastics in the Environment

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### Message from the Guest Editor

Dear Colleagues,

Plastic pollution is a well-acknowledged world-wide issue; it has been found in air, marine, and terrestrial environments and, as expected, has entered the food chain. Plastic particles have been found in tissues of marine and terrestrial animals as well as in human feces. Due to improper management and disposal practices, plastic particles enter the environment and undergo deterioration, leading to a decrease of their mechanical and physicochemical properties. As a result, they break down into smaller particles—so-called microplastics.

This Special Issue aims to present up-to-date information about the fate of plastics in the recipient environment and produce insights about the biodegradation potential of plastics by microbial communities and/or enzymes. This Special Issue focuses on but is not limited to topics such as biodegradation of fossil-based and biodegradable plastics in aquatic/terrestrial environment, the fate of plastics and plastic additives in the environment, enzymatic degradation of waste plastics in a circular economy, biotechnological solutions towards upcycling plastic waste, and the generation of microplastics in the environment.





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