



Novel Insights into Plastic Biodegradation and Biopolymer Manufacturing

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Message from the Guest Editors

Plastic pollution has become a challenge with far-reaching effects, impacting both the ecosystem and human health. In response, scientists have actively explored solutions to tackle this issue. Their focus lies in two interconnected fields: plastic biodegradation and the sustainable production of bioplastics. This Special Issue aims to showcase the advancements in these areas shedding light on cutting-edge research that contributes to an environmentally friendly and sustainable future.

Understanding how plastic biodegrades is crucial for developing strategies to mitigate pollution. Researchers have been studying communities for breaking down various types of plastics including polyethylene, polypropylene and polystyrene. The articles featured in this Special Issue will highlight studies that delve into the processes and genetic foundations of plastic degradation. These findings provide insights into how these microorganisms can be used in bioremediation efforts.

Bioplastics have gained attention as an alternative to conventional petroleum-based plastics. This Special Issue will present groundbreaking research on the production of bioplastics.





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