



Advance in Bioplastics

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Message from the Guest Editor

The growing environmental issues with non-biodegradable petroleum-based plastics has led to the research and development of bioplastics. The government around the world also responded by developing policies to promote biodegradable plastics. However, challenges remain for bioplastics to meet the performance of the petroleum-based plastics. In other cases, bioplastic materials that are designed to match the mechanical and physico-chemical properties of petroleum-based plastics do not degrade completely under normal composting conditions. This has led to studies attempting to develop bioplastics with appropriate mechanical and physico-chemical properties and biodegradability.

This Special Issue will cover research related to the synthesis and characterization, biodegradation, development for packaging and smart applications, techno-economic and life cycle assessment, and policies related to the development of bioplastics.

Dr. Bishnu Acharya
Guest Editor





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