



Biodegradable Polymers for Sustainable Development

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Message from the Guest Editors

Biodegradable polymers play a crucial role in promoting sustainable development by addressing environmental concerns associated with traditional, non-biodegradable plastics. These polymers are designed to break down into natural compounds, such as water, carbon dioxide, and biomass, through biological processes, reducing their impact on ecosystems and landfills. The development of biodegradable polymer materials necessitates evaluating and understanding the relationships between their structure, properties, and behavior before, during, and after practical applications. The precise design of such materials is necessary to avoid the potential failure of the commercial products manufactured from them and to avoid potential environmental consequences. Thus, biodegradable polymers are an important component of sustainable development efforts, helping to reduce the environmental impact of plastics and promote more responsible resource use. This Special Issue welcomes papers that address the interdisciplinary approach to develop biodegradable polymer materials for environmental needs.





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