

Special Issue

Biodegradable Polymer: From Design to Applications 2.0

Message from the Guest Editor

The frontier of bio-based and biodegradable polymers is constantly moving forward. With finite petroleum resources, and a growing problem of persistent plastics accumulating in the environment, bio-based and biodegradable plastics are the clear material of choice for the future.

For medical, agricultural, and industrial applications, there has been a huge interest in, and research conducted, on advancing the knowledge and understanding of their synthesis, and the structure–property–application relationship. Emerging areas of research in the fabrication and processing of biodegradable nanomaterials, nanoparticles, and nanofibers into devices has taken biodegradable polymers to advanced applications such as sensors, smart scaffolds, and the controlled delivery of bioactives and therapeutics.

This Special Issue focuses on a broad range of state-of-the-art technologies in the synthesis and fabrication of biodegradable polymers, and their properties and applications in novel and commercial products, as well as unmet challenges and future frontiers.

Guest Editor

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