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# **Development and Application of Bio-Based Polymers**

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# **Message from the Guest Editors**

As the world grapples with environmental challenges, biobased polymers, derived from renewable sources, have emerged as a promising solution. This Special Issue will serve as a dynamic platform to disseminate cutting-edge research, innovative methodologies, and real-world case studies that delve into the synthesis, processing, recycling, characterization, and application of bio-based polymers. By presenting a comprehensive view of their potential, we hope to foster a deeper understanding of the opportunities and challenges surrounding these sustainable materials. The scope of this Special Issue encompasses an array of fascinating topics, including, but not limited to, biodegradable polymers that break down harmlessly in the environment, biocomposites that combine biopolymers with natural fibers or fillers for enhanced properties, bioplastics with diverse applications in various industries, bio-based nanomaterials with exceptional properties, and their use in packaging, biomedical devices, agriculture, textiles, and many other sectors.













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## **Message from the Editor-in-Chief**

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