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Renewable and Biodegradable Polymer-Based Materials and Applications

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Deadline for manuscript submissions:

closed (30 November 2023)

Message from the Guest Editors

The conventional synthetic polymers made from petrochemical products have damaging environmental effects due to their low recovery and reproduction rates and their poor degradability. Therefore, the development of environmentally friendly polymeric materials, which are mainly derived from renewable and biodegradable polymers from both fossil fuel and natural resources with excellent physical properties, has received a lot of research attention. At the same time, the use of reinforcement materials in renewable and biodegradable polymers has demonstrated significant promise for new designing renewable and biodegradable polymeric materials with desired properties.

This Special Issue seeks to address recent developments based on renewable and biodegradable polymer-based materials and their applications. Manuscripts dealing with the synthesis of renewable and biodegradable polymers; nanoparticles, nanohybrids, and nanocomposites; functionalization; processing; multifunctional properties; applications; and recycling will be considered. Full papers, communications, and reviews covering these subjects are welcome.













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Message from the Editor-in-Chief

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