



Polymer Packaging Materials: Design, Synthesis and Applications

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Message from the Guest Editors

Polymers are a primary choice for packaging food, medical, and other engineering products. Though their outstanding barrier properties, mechanical properties, and lower cost make them preferable to other alternatives, there are serious concerns raised due to the detrimental effects caused by their disposal and degradation. In addition to these problems, there have been rising alarms for their interaction, primarily when used for packaging food products. Globally, there has been a strong drive to reduce and recycle used packaging material. While this requirement may or may not be immediately achievable, academicians and industrialists conduct cutting-edge research to design sustainable polymeric materials that have less impact on the environment. Consequently, many biopolymers and synthetic polymers are invented with or without different additives that can accomplish the aforementioned goals.

This Special Issue welcomes research on structure–property relationships of novel polymers, including biopolymers or conventional polymers with new additives used for packaging applications.





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Message from the Editor-in-Chief

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