



Applied Bio-Based Materials

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Message from the Guest Editors

During the last few decades, the development of bio-based materials and their applications has intensified, due to the growing social concern and an increasingly restrictive regulation on the use of single-use plastics. In this sense, bio-based and biodegradable thermoplastic materials have been developed, such as PLA, PHB, TPS, etc., as well as bio-based and nonbiodegradable thermoplastic materials that are homologous to traditional polymers such as bioPE, bioPA, etc., and bio-based thermostable materials such as bio PU, bio epoxy starting of vegetable oils, etc. that can be used as a matrix in green composites. All these types of materials have a more benevolent effect on the environment, since they can reduce the consumption of petroleum primary materials and reduce the carbon footprint.





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