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Advanced Bio-Based Polymers: Synthesis, Characterization and Applications

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Message from the Guest Editors

Bio-based polymers are polymers produced from a biomass source, in contrast to those originating from an oleochemical source. Regardless of their abundance and the fact that some have been known for decades, these are still not as widespread as their “petroleum” counterparts, mainly due to barriers facing production, cost and the scalability of their functionalization, as well as finding the best niche applications with high added value (e.g. medicine and electronics). Nevertheless, thanks to innovations in synthetic biology, material science, chemistry and pharmaceutical technology, these polymers are becoming more affordable and therefore increasingly used for various purposes.

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Special Issue



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Message from the Editor-in-Chief

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