



## Advances in Cellulose-Based Polymers and Their Composites

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### Message from the Guest Editors

Dear Colleagues,

The demand for bio-resources has been constantly increasing in terms of developing environmentally friendly sustainable and renewable cellulose-based polymers and composites to reduce the use of petroleum-based polymers and mitigate global warming. Cellulose is one of the most abundant and widely distributed renewable polymers derived from plant biomass and algae worldwide. Thus, due to growing ecological and human constraints, cellulose-based polymers are an active research area. Using cellulose fibers, cellulose derivatives, and nanocellulose as fillers or matrices in polysaccharides/bio-based polymers is an efficient, alternative approach for developing environmentally friendly cellulose-based polymers and composites with functional properties. Materials based on cellulose are not only those derived from fillers or matrices but also cross-linked cellulose-based polymers and cellulose-based grafted polymers, which can deliver specific properties for multifunctional applications.

This Special Issue will focus on recent progress related to “Advances in Cellulose Based Polymers and their Composites.”





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## Editor-in-Chief

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