Special Issue

Advances in Cellulose-Based Polymers and Their Composites

Message from the Guest Editors

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.”

Guest Editors

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Deadline for manuscript submissions

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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker
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