

Special Issue

Functional Cellulose-Based Materials: Synthesis and Application

Message from the Guest Editors

Cellulose is one of the oldest raw materials that has been used by human for hundreds of years. Additionally, it is also the most common organic compound on Earth. Due to its unique structure and excellent properties, such as renewability, biocompatibility, biodegradability, chemical stability, and derivatizability, cellulose has diverse applications, e.g., papers, textiles, building materials, composites, among others. However, there are still a number of challenges that hinder the use of this readily available and renewable natural polymer. Science and technology are starting to turn towards renewable resources and eco-friendly processes. Materials based on natural polymers, including cellulose, have thus attracted great attention. In particular, the development of new and “green” solvents for cellulose provides efficient and eco-friendly platforms for cellulose shaping and chemical modification. More recently, new frontiers such as nanocelluloses and advancements in nanotechnologies also offer great opportunities in the field of functional materials over a broad range of applications.

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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 4.9.

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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