Special Issue

Cellulose: Structure Characterization and Applications

Message from the Guest Editors

Cellulose, one of the most abundant organic polymers on earth, is a key component of lignocellulosic biomass and plays a key role in the advancement of sustainable materials and green technologies. Its biocompatibility, renewability, and chemical versatility make it highly attractive for use in a variety of applications, including bioplastics, hydrogels, membranes, composites, valuable chemical compounds, and energy storage materials. This Special Issue aims to review recent advances in the structural characterization and various applications of cellulose and its derivatives. Emphasis will be placed on emerging analytical techniques, chemical and enzymatic transformations, nanocellulose production, and the integration of cellulose into functional materials for environmental and energyrelated uses. We welcome the submission of original research articles, reviews, and communications with an experimental, theoretical, or applied focus. Contributions discussing the role of cellulose in lowcarbon material development and industrial applications are particularly encouraged.

Guest Editors

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Message from the Editor-in-Chief

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

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