

Special Issue

Green and High-Value Applications of Biopolymers from Lignocellulosic Biomass

Message from the Guest Editors

With the increasing concerns about environmental pollution and the non-renewability of commonly used fossil-based resources, the developments of renewable resources are getting more and more attentions. Among the renewables, lignocellulosic biomass, as second generation biomass, has good potential and promising for producing environmentally friendly bio-based fuels, chemicals and materials due to its abundant available feedstock and near-zero emission of carbon emission as well as no competition with food land. Nevertheless, utilization technologies and large-scale applications of lignocellulosic biomass have been developed and promoted. However, some issues related to high-efficiency and green and commercial utilization technologies related to their utilization processes still need to be further addressed. Based upon the above considerations, this Special Issue covers a series of fundamental and application issues related to the conversion processes of cellulose, hemicellulose, and lignin as well as their typical derivatives into green and high-value products including fuels, materials, and chemicals by thermochemical, catalytic, or other advanced technologies.

Guest Editors

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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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