Special Issue

Lignocellulosic Polymers: Fractionation and Characterization

Message from the Guest Editors

Lignocellulosic biomass is a key sustainable feedstock to produce materials, chemicals, and fuels replacing fossil carbon resources in order to mitigate global warming. Given lignocellulose chemical and structural complexity, its viable transformation in biorefineries is still not economically optimal. Gaining more insights into the fractionation of lignocellulose is important to enhance polymer valorization, together with their characterization to propose innovative applications. Expected contributions will be articles presenting chemical, physical, and biological techniques to fractionate lignocellulose and combinations of these techniques, with a particular interest in novel or innovative approaches. Upscalable processes to reach industrial viability will also be appreciated. In addition, characterization techniques providing in-depth information on polymer structure and chemical composition are welcome. Fast and cheap approaches having the potential to be used for high throughput screening or as sensors are also right in the scope of this Special Issue.

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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

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