Special Issue

Lignin Isolation, Characterization and Application

Message from the Guest Editor

Lignin, one of the main chemical components in biomass resources, exhibits unique structural characteristics and properties. The conversion of natural biopolymer lignin in chemicals and functional materials has raised significant and broad interest in its aromatic, anti-oxidant, and bio-degradable properties to obtain high-value-added products and to reduce greenhouse gases. There is an urgent need to develop an isolation method to produce high-quality lignin with high efficiency. More recently, lignin-based or -doped functional materials and derivatives have also attracted a significant amount of interest for replacing chemicals and materials derived from petroleum resources. This Special Issue aims to cover all aspects related to recent original and cutting-edge research works focused on lignin isolation from lignocellulosic biomass or the fractionation of technical lignins and their characterization for high-value-added applications.

Guest Editor

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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 4.7.

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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