## Special Issue

## Thermochemical and Chemi-Mechanical Conversion of Bio-Polymers into Value-Added Products

## Message from the Guest Editors

Biomass wastes are promising but often overlooked renewable sources of biofuels, biochemicals and biomaterials. Due to environmental pollution and global warming, there is an urgent need to find alternatives to fossil-based resources. In this scenario, the development and understanding of both fundamental and practical applications of biomass resources and their conversion processes and products seem to be attractive with increasing research interest. The objective of this Special Issue is to explore innovative research on process development and optimization, catalytic/non-catalytic reaction mechanisms. thermochemical conversion, and chemi-mechanical extraction of biopolymers (cellulose, hemicellulose, and lignin) from biomass and their characterization and applications in industrial processes. The topics include the conversion of cellulose, hemicellulose and lignin, and other biopolymers via thermochemical conversion technologies inducing torrefaction, pyrolysis, and gasification under both conventional and hydrothermal/microwave heated conditions.

### **Guest Editors**

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### Deadline for manuscript submissions

closed (5 June 2023)



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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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