

## Special Issue

# Sustainable and Renewable Polymers from Biomass

### Message from the Guest Editor

Successfully transitioning to a circular bioeconomy with viable alternatives to synthetic polymers depends strongly on progress in the areas of sustainable and renewable polymer production and performance. Biopolymers, along with biofuels and biochemicals, are a pillar product class of the emerging biorefineries, with broad potential impact. They can be isolated and used without further modifications, as in the case of lignosulfonates and glucomannans; after conversion to their nanoform, as exemplified by nanocellulose, nanolignin, and nanochitin/chitosan; or after chemical modifications, as in case of starch and cellulose derivatives and lignin-based adhesives and polyurethanes. They can also be depolymerized and biologically or chemically converted to different polymers, such as polyhydroxyalkanoates and polyethylene furanoates, respectively. This Special Issue focuses on the production, characterization, application, recyclability and biodegradability of biopolymers. Studies of interest also include the characterization of biopolymers in situ and throughout processing.

### Guest Editor

Dr. Biljana Bujanovic

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### Deadline for manuscript submissions

closed (20 December 2023)



## Polymers

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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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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