

Special Issue

Lignin-Based Polymers

Message from the Guest Editor

We invite scientists to submit original research or comprehensive reviews focusing on **lignin-based polymers**. This Special Issue aims to publish studies exploring innovative methods for lignin isolation from lignocellulosic biomass, as well as its characterization and utilization to enhance lignin's potential as a sustainable polymer with unique inherent properties. The scope encompasses lignin-based composites, nanomaterials, and high-performance polymers with applications in diverse fields such as bioplastics, adhesives, coatings, and biomedical materials. Our goal is to advance lignin valorization strategies, deepen the understanding of structure–property relationships, and contribute to the development of eco-friendly materials. This research is critical for improving the economics of both the mature pulping industry and lignocellulosic biorefineries, facilitating their broader implementation. By reducing reliance on fossil fuels and promoting renewable resources in materials science, these advancements in using lignin as a polymer support efforts toward a more sustainable future.

Guest Editor

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About the Journal

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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