

## Special Issue

# Lignin: Modifications and Applications

### Message from the Guest Editor

Lignin is the second most abundant biopolymer on Earth, constituting 30% of terrestrial non-fossil organic matter. It has proved to be a promising natural resource for replacing fossil fuels. However, the valorisation of lignin is hampered by a series of constraints such as its recalcitrance, heterogeneous structure, odour, colour, and the challenges associated with its extraction because of the presence of strong chemical bonds. Today, industrial lignin is mainly burnt to produce electricity and to valorise the inorganic compounds involved in the pulping process. This Special Issue will explore the extraction of lignin using various pre-treatments, its modifications and functionalisations, and new ways of adding value to this polymer. In view of your important contributions in this field, I cordially invite you to submit an article to this Special Issue. Full research papers, communications, and review articles will be accepted. I would like to bring together a collection of full papers from leading experts and up-to-date research from notable groups in the community.

### Guest Editor

Dr. Isabelle Ziegler-Devin  
LERMAB, University of Lorraine, Nancy, France

### Deadline for manuscript submissions

closed (30 September 2024)



## 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 4.9.

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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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