

## Special Issue

# Advances in Cellulose and Wood-Based Composites

### Message from the Guest Editor

The increasing global demand for sustainable materials has positioned cellulose and wood-based composites as pivotal contributors to modern science and industry. This Special Issue explores the latest advancements in the design, synthesis, and application of these renewable materials. We welcome contributions that address topics such as innovative methods for cellulose extraction and modification, the development of high-performance wood-based composites, and their applications in fields ranging from construction to nanotechnology. Studies that focus on the enhancement of material properties, such as mechanical strength, thermal stability, and biodegradability, are particularly encouraged. Additionally, we invite research that addresses the integration of artificial intelligence and machine learning for material optimization, as well as lifecycle assessments that ensure environmental sustainability. This Special Issue aims to provide a comprehensive platform for researchers, engineers, and industry professionals to share insights that advance the field of cellulose and wood-based composite technologies.

### Guest Editor

Prof. Dr. André Luiz Missio

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### Deadline for manuscript submissions

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## 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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