

Special Issue

Cutting-Edge Cellulose Polymers and Composites: From Fundamentals to Functional Applications

Message from the Guest Editors

This special issue, “Cutting-Edge Cellulose Polymers and Composites: From Fundamentals to Functional Applications,” aims to showcase recent advances in cellulose science, bridging molecular fundamentals and the development of functional materials. We welcome original research and review articles exploring novel strategies for cellulose modification, structural characterization, and the fabrication of advanced composites with tailored properties. Key topics include sustainable synthesis routes, innovative processing techniques, insights into structure–property relationships, and in-depth evaluation of performance in diverse applications—such as biomaterials, environmental remediation, packaging, energy storage, and smart devices. We particularly encourage interdisciplinary contributions that integrate chemistry, materials science, and engineering perspectives to address current challenges and inspire future innovations in cellulose-based systems. This issue provides an academic platform for researchers to share cutting-edge results, discuss opportunities, and identify emerging trends that shape the next generation of cellulose polymers and composites.

Guest Editors

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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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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