



an Open Access Journal by MDPI

New Advances in the Structure, Performance and Chemical Functionalization of Cellulose

Guest Editor:

Dr. Ricardo Manríquez-González

Department of Wood, Cellulose and Paper, University of Guadalajara, Guadalajara, Mexico

Deadline for manuscript submissions: **5 July 2024**

Message from the Guest Editor

Cellulose is one of the most widely used natural polymers in the development of bio-based materials due to its clear advantages, such as renewability, profitability, and undeniable intrinsic chemical and physical properties. Nowadays, this polysaccharide has a broader scope of applications related to medicine and pharmacy (i.e., biomaterials such as scaffolds and drug delivery devices), biotechnology, the environment (i.e., enzyme and cell immobilization, removal of hazardous waste from aqueous media), chemistry and physical chemistry (i.e., adhesives and separation devices), material design (i.e., biocomposites and membranes), etc.

This Special Issue is open to contributions that address the most recent cellulose research in terms of cellulose functionalization; bacterial cellulose; chemical and structural modification and characterization; moiety interactions in modified cellulose; and its application as biodegradable materials and biomaterials, in separation devices, and in biocomposites.



mdpi.com/si/169761







an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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 highquality 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 5.0.

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (Polymer Science) / CiteScore - Q1 (Polymers and Plastics)

Contact Us

Polymers Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/polymers polymers@mdpi.com X@Polymers_MDPI