

Special Issue

Polymers from Biomass: Characterization, Modification, Degradation and Applications

Message from the Guest Editors

The macromolecules present in biomass (cellulose, lignin, chitin/chitosan, proteins, starch, etc.) are abundant and sustainable (biodegradable, biocompatible and with a low carbon footprint) materials. Moreover, they contain pendant functional groups that can be used to link a variety of functionalities. Such chemical modifications have been extensively employed in order to change the physicochemical properties (hydrophilicity/hydrophobicity, presence of fixed charges, solubility/dispersibility, etc.) of the polymers for industrial applications. In this Special Issue, manuscripts that elucidate classical procedures or the design of novel experimental procedures in order to modify macromolecules from biomass will be accepted. Moreover, studies that focus on the extension of those techniques to the incorporation of different functionalities (optical absorption and fluorescence, redox sites, ion exchange, etc.) in abundant biomacromolecules are welcome. Special Issue link: https://www.mdpi.com/journal/polymers/special_issues/1J1LD3JPDD

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Deadline for manuscript submissions

closed (30 July 2024)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/179620

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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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