



polymers



an Open Access Journal by MDPI

Modifications and Applications of Natural Polymer Materials and Its Derivatives

Guest Editor:

Prof. Dr. Antonio Zuerro

Department of Chemical
Engineering, Materials &
Environment, Sapienza –
University of Rome, Via
Eudossiana 18, 00184 Rome, Italy

Deadline for manuscript
submissions:

closed (15 August 2023)

Message from the Guest Editor

Petroleum-based plastics are restricted by petrochemical raw materials and their harmful effects on the ecological environment. Natural polymers are widely found in animals and plants, such as cellulose, starch, protein, lignin, natural rubber, nucleic acid, etc. Natural polymers as well as their derivatives are bio-renewable and biodegradable, and environmentally friendly. However, pure natural polymer materials often do not meet people's increasing and diverse needs. Therefore, research on the modification of natural polymers, natural polymer derivatives and the application performance has a great value. This Special Issue focuses on this topic, aiming to collect the latest research articles and communications, as well as comprehensive reviews, etc.



mdpi.com/si/52995

Special Issue



polymers



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 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 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](https://twitter.com/Polymers_MDPI)