



Advances in Biopolymers: Innovative Production Processes, Purification and Characterization Methods

Guest Editor:

Dr. Odile Francesca Restaino

Department of Chemical
Sciences, University of Naples
Federico II, Via Cintia 4, 80126
Naples, Italy

Deadline for manuscript
submissions:

closed (20 April 2022)

Message from the Guest Editor

Natural, natural-like, and synthetic biopolymers are widely employed in numerous industrial fields from surgical and biomedical applications to pharmaceutical products, including drug coating and carrier, and from classical usage in food science and agriculture to innovative applications in nanoscience and environmental bioremediation. The production of structural tailored-cut biopolymers for specific purposes is challenging, and innovative biotechnological and synthetic processes are requested more and more often. At the same time, new purification and characterization methods are essential to better define the biopolymer structures and their potentialities of applications.

The aim of this Special Issue is to collect recent developments in the field of novel production processes and new methods of purification and characterization of biopolymers with innovative industrial applications.





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)