

## Special Issue

# Bioactivity Evaluation and Application of Natural Polysaccharides

### Message from the Guest Editors

Natural polysaccharides, abundantly found in higher plants, microorganisms (bacteria and fungi), lichen algae and animals, are biological macromolecules synthesized by organisms, located in cell walls, cells, intercellular and extracellular secretory substances, and are essential components of life activities. In recent years, more and more studies have focused on the activity and efficacy of natural polysaccharides from different sources, and confirmed that there are great application prospects and potential in many fields. This Special Issue of *Polymers* entitled “Bioactivity Evaluation and Application of Natural Polysaccharides” will focus on the relevant current knowledge of known or unknown polysaccharides in their bioactivity evaluation and application, to provide the most recent perspectives on this field. Papers of interest include research of any polysaccharides, either as a pure well-characterized compound or as characterized mixtures in in vitro and in vivo studies. Contributions to this Special Issue covering isolation, characterization, modifications and applications of natural polysaccharides are welcomed.

### Guest Editors

Dr. Yang Liu

School of Biology and Food Engineering, Changshu Institute of Technology, Changshu City, Jiangsu Province, China

Dr. Huimin Liu

College of Food Science and Engineering, Jilin Agricultural University, Changchun 130118, China

### Deadline for manuscript submissions

closed (29 February 2024)



## Polymers

an Open Access Journal  
by MDPI

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/153975](https://mdpi.com/si/153975)

*Polymers*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[polymers@mdpi.com](mailto:polymers@mdpi.com)

[mdpi.com/journal/  
polymers](https://mdpi.com/journal/polymers)





# Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/journal/  
polymers](https://mdpi.com/journal/polymers)



## About the Journal

### 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 4.7.

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

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

---

### 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 (General Chemistry)