

Special Issue

Biopolymer for Biomedical Application

Message from the Guest Editors

Biopolymers, while initially developed for food industry applications, have become widely used across various disciplines. The physicochemical properties, mechanical performance, high stability, degradability and microencapsulation capacity, make biopolymers adaptable to many other fields and functions. They can be designed for personalized and specialized biocompatibility, and are for the most part non-toxic, non-allergenic, and biodegradable. Because they are biologically active molecules, biopolymers have broad application in the biomedical domain. Forms of these molecules (e.g., hydrogels, microcapsules, films, coatings) are used in tissue engineering, wound dressings, in the design of medical implants, in drug delivery, and many other uses. The purpose of the special issue "Biopolymer for Biomedical Application" is to highlight new discoveries, progress, and future directions of biopolymers in biomedical applications. We invite authors in the field to submit their latest original research papers, review articles, or short communications.

Guest Editors

Dr. Roxana Gheorghita

College of Medicine and Biological Sciences, Stefan cel Mare University of Suceava, 720229 Suceava, Romania

Prof. Dr. Gheorghe Gutt

Faculty of Food Engineering, Stefan Cel Mare University of Suceava, 720229 Suceava, Romania

Deadline for manuscript submissions

closed (5 March 2025)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/140230

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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 4.9.

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

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 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, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)