

Special Issue

Advances in the Preparation and Application of Bio-Based Hydrogels

Message from the Guest Editors

Dear Colleagues. We live in a time of regular emergence of new diseases, including cancer as the most dangerous. Most drug delivery systems are products of chemical synthesis, which costs high and greatly reduces their biocompatibility. Targeted drug delivery systems based on biopolymers, the basis is hydrogels—colloidal systems that have an amazing variety of physicochemical properties and chemical compositions. Ideal target systems include hydrogels with driven changing properties, controlled loading, and release of the active substance. We sincerely invite you to take part in the creation of a Special Issue of the journal *Polymers*, dedicated to the creation and study of complex hydrogels based on molecules of biological origin. Works devoted to the creation of various materials from nano- to large bulk systems are of contemporary interest. We would like all your works to be accompanied by experiments that are as close as possible to real medical and biotechnological practices. We will be glad to see you among the authors of the Special Issue “Advances in the Preparation and Application of Bio-Based Hydrogels”.

Guest Editors

Dr. Vladimir Silant'ev

Prof. Dr. Irina Perminova

Dr. Vadim V. Kumeiko

Dr. Ivan Kelnar

Deadline for manuscript submissions

closed (31 May 2024)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/161003

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)