Special Issue

Advanced Biodegradable Polymers for Biomedical Applications

Message from the Guest Editor

Biodegradable polymers are environmentally friendly materials that can work for a limited time before degrading into readily discarded products through a regulated procedure. This class of materials has attracted significant attention because they play an essential role in humans' lives owing to their physicalchemical characteristics, their versatility in formulation methods, and, most importantly, their specific biodegradability characteristics, making them the foremost biomaterials in different biomedical applications (e.g., drug delivery, tissue engineering, regenerative medicine). The purpose of this Special Issue is to highlight recent advancements in developing biodegradable polymers and their applications in different fields of biomedicine, along with the progress and challenges faced in translating academic efforts into tangible assets with clinical/precise applications. Guest Edito

Guest Editor

Dr. Jana Ghitman

Advanced Polymer Materials Group, National University of Science and Technology Politehnica Bucharest, 1–7 Gh. Polizu Street, 011061 Bucharest, Romania

Deadline for manuscript submissions

25 April 2026



Polymers

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.7 Indexed in PubMed



mdpi.com/si/216264

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers





Polymers

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.7 Indexed in PubMed



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

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)

