polymers

an Open Access Journal by MDPI

IMPACT FACTOR 4.7

Indexed in: PubMed

CITESCORE 8.0

Degradation and Biological Application of Polymers

Guest Editors:

Dr. Rossella Dorati
Department of Drug Sciences, University of Pavia, Via Taramelli 12, 27100 Pavia, Italy

Dr. Enrica Chiesa
Department of Drug Sciences, University of Pavia, Via Taramelli 12, 27100 Pavia, Italy

Dr. Silvia Pisani
Department of Drugs Sciences, University of Pavia, 27100 Pavia, Italy

Deadline for manuscript submissions:
closed (30 March 2022)

Message from the Guest Editors

Polymers represent a significant group of biomaterials that have been exploited for biological and biomedical applications. Polymeric biomaterials have been extensively studied and implemented for several applications, such as delivery systems, cell uptake, and gene transfection. Moreover, in recent decades, research has become more involved in translational medicine, specifically in regenerative medicine and tissue engineering.

Polymer degradation and erosion are crucial for all polymeric biomaterials. Degradation results in changes of polymer properties—such as molecular weight, shape, color and mechanical features—or of the polymer-based products by undergoing biological, chemical or physical reactions.

In this Special Issue, we would like to collect the most advanced results (as reviews and/or original papers) concerning polymeric biomaterials and related polymer-based products, with particular reference to their in vivo and in vitro degradation and their biological and biomedical applications.

polymers

IMPACT FACTOR 4.7 | Indexed in: PubMed | CITESCORE 8.0

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 (General Chemistry)

Contact Us

Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/polymers
polymers@mdpi.com
𝕏@Polymers_MDPI