Special Issue

Polymeric Biomaterials for Biomedical Applications

Message from the Guest Editor

Advances in biological engineering and polymeric materials science have enabled the creation of new biomaterials capable of integrating with living systems and augmenting their behavior. These biomaterials are engineered with a deepening understanding of cellular biology and material interactions to selectively augment functionality at different anatomical locations. Taken as a whole, living biomaterials show great promise not only in medicine, but also in bioprocessing and drug development. This Special Issue on “Engineered Polymeric Materials Towards Living Biomaterials for Biomedical Applications” is devoted to the dissemination of high-quality original research articles or comprehensive reviews on cutting-edge developments in this interdisciplinary field. With a focus on biomedical applications, potential topics include but are not limited to the following:

- Bio-based and/or living polymeric materials;
- Functional polymeric materials;
- Design of biomimetic polymer-based devices;
- Conceptual and creative design of polymer-based devices;
- 3D/4D polymeric scaffolds

Guest Editor

Dr. Catalina Vallejo-Giraldo
Faculty of Engineering, Department of Bioengineering, Imperial College London, London, UK

Deadline for manuscript submissions

closed (31 January 2022)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.7
CiteScore 8.0
Indexed in PubMed

mdpi.com/si/71174

Polymers
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 4.7
CiteScore 8.0
Indexed in PubMed

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)

MDPI