

Special Issue

Biomaterials and Scaffolds for Tissue Engineering

Message from the Guest Editors

Tissue engineering is an attractive interdisciplinary field aiming to develop functional biological substitutes to restore or improve tissue function by combining various scaffolds with cells. A wide array of scaffolds produced using a variety of **biomaterials** and manufactured by different **fabrication techniques** have been employed in the field to achieve regeneration of different tissues and organs. Scaffolds should attain several attributes, including biocompatibility with the host tissues, mechanical strength, suitable porosity, and biodegradability to non-toxic byproducts. In this Special Issue on “Biomaterials and Scaffolds for Tissue Engineering”, the focus will be on recent advances in development and characterization of polymeric biomaterials with applications in tissue engineering and regenerative medicine. Up-to-date reviews, original research papers, and short communications are all welcome. Dr. Gratiela Gradisteanu Pircalabioru

Guest Editors

Dr. Gratiela Pircalabioru

Faculty of Biology, University of Bucharest, 050107 Bucharest, Romania

Dr. Ionela Cristina Voinea

Department of Biochemistry and Molecular Biology, Faculty of Biology, University of Bucharest, 050095 Bucharest, Romania

Deadline for manuscript submissions

closed (15 September 2022)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/82580

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 4.7.

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)