

## Special Issue

# Polymers for Bone Tissue Engineering

### Message from the Guest Editor

This Special Issue is dedicated to the different roles that polymers may play in bone regeneration. We would like to cover topics ranging from biodegradable natural-based polysaccharides (collagen, silk, alginate, chitosan, hyaluronic acid, etc.) and synthetic polyesters such as poly(lactic acid), PLA, poly(glycolic acid), PGA, poly(lactic-co-glycolide), PLGA, Poly(e-caprolactone), PCL, Polyhydroxyalkanoates, and PHA, to new chemical modifications including inorganic hybridation for improving biological interaction, and new roles and applications developed in the last few years that go from membranes for guided regeneration, antimicrobial membranes, drug and gen delivery particles or devices, thermoplastics for 3D printing, bioprinting, and any other aspect that involves macromolecules in the field of bone regeneration

### Guest Editor

Dr. Luis Rodríguez-Lorenzo

CSIC - Instituto de Ciencia y Tecnología de Polimeros (ICTP), Madrid, Spain

### Deadline for manuscript submissions

closed (29 February 2020)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/28371](https://mdpi.com/si/28371)

*Polymers*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[polymers@mdpi.com](mailto: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)