

## Special Issue

# Multi-Functional Collagen-Based Biomaterials for Biomedical Applications II

### Message from the Guest Editors

Polymeric biomaterials are an essential tool in the biomedical field. Their high biocompatibility and ability to provide adequate regenerative support are fundamental for the development of new successful approaches for different therapeutic purposes. In particular, biomaterials derived from living organisms exhibited not only structural roles but also several non-structural functions implicated in cellular growth, migration, and differentiation. In recent years, with the ultimate goal of developing multi-functional collagen-based devices able to better promote the functional recovery of damaged tissues, there have been numerous studies focused on the development of novel techniques and methods for the development and characterization of innovative and advanced highperformance formulations. The present Special Issue welcomes contributions on the broad topic of multifunctional collagen-based biomaterials for biomedical applications, with a focus on any aspect regarding developmental methods (including novel production, processing, and modification of innovative strategies) and a particular attention to the function enhancement of collagen-based formulations.

---

### Guest Editors

Dr. Nunzia Gallo

Dr. Marta Madaghiele

Dr. Alessandra Quarta

Dr. Amilcare Barca

---

### Deadline for manuscript submissions

closed (30 September 2024)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/164034](https://mdpi.com/si/164034)

*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)