

# Special Issue

## Hydrogels in Medicine

### Message from the Guest Editors

Hydrogels have gained attention in the medical field due to their intrinsic advantages over conventional materials and methods. Their low-cost nature, chemical variety, biological compatibility, processing methods and stimuli-responsive behavior make them an interesting alternative to current medical technologies for a broad range of applications. This Special Issue, entitled *Hydrogels in Medicine*, covers the methods and technologies involved in the development of such matrices, from the chemistry to their applications; surface functionalization, such as thin films, hydrogel nano-patterning; biocompatibility studies with cells and tissues; flexible bioelectronics; and large-area medical devices. Applications include: in vitro diagnostics, tissue engineering, holographic sensors, flexible/wearable/implantable devices, and organ-on-chip systems. We cordially invite you to submit your original research article or a review paper to this Special Issue Best regards,

---

### Guest Editors

Dr. Rosalia Moreddu

Dr. Nayere Taebnia

Dr. Mohamed Elsherif

---

### Deadline for manuscript submissions

closed (20 August 2022)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/94761](https://mdpi.com/si/94761)

*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

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)