



Hydrogels in Medicine

Guest Editors:

Dr. Rosalia Moreddu

Istituto Italiano di Tecnologia,
Plasmon Nanotechnologies Unit,
16163 Genova, Italy

Dr. Nayere Taebnia

Department of Health
Technology, Danmarks Tekniske
Universitet (DTU), 2800, Lyngby,
Denmark

Dr. Mohamed Elsherif

College of Engineering and
Health Sciences, Khalifa
University, 127788 Abu Dhabi,
United Arab Emirates

Deadline for manuscript
submissions:

closed (20 August 2022)

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,

Dr. Rosalia Moreddu

Dr. Nayere Taebnia

Dr. Mohamed Elsherif

Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

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 5.0.

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.

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)

Contact Us

Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/polymers
polymers@mdpi.com
X@Polymers_MDPI