



## Functional Biopolymer-Based Hydrogels

Guest Editor:

**Prof. Dr. Nagore Gabilondo**

Faculty of Engineering of  
Gipuzkoa, University of Basque  
Country, 20018 Donostia-San  
Sebastian, Spain

Deadline for manuscript  
submissions:

**closed (31 August 2020)**

### Message from the Guest Editor

Dear Colleagues

Research on the development of new hydrogels with specific functionalities based on polymers from natural sources is presently outstanding due to the increasing environmental concerns. Hydrogels find applicability in diverse fields such as biomedicine, pharmaceuticals and cosmetics, agriculture, purification of waste-water, soil remediation, etc. The resulting biopolymer-based hydrogels are highly appreciated not only due to their high hydrophilicity, inherent biocompatibility, and biodegradability, but also due to their reactive pendant groups that turn them into tunable functional hydrogels.

This Special Issue is aimed at collecting the most recent advances in research concerning functional biopolymer-based hydrogels for different application fields, including those focused on the chemistry of functionalization of the biopolymers, the synthesis and development procedures, and the characterization of the hydrogels in the form of original papers, short communications, and review articles.





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