



## Multifunctional Natural-Based Polymers for Tissue Engineering & Regenerative Medicine

Guest Editors:

**Prof. Dr. Mh Busra Fauzi**

**Prof. Dr. Yasuhiko Tabata**

**Dr. Ebrahim Mahmoudi**

Deadline for manuscript  
submissions:

**closed (5 August 2022)**

### Message from the Guest Editors

Dear Colleagues,

Biomaterial has been established as one major component of regenerative medicine for various biomedical applications and clinical settings. It has emerged as an acellular or cell-based treatment via single or multifunctionalised approaches integrated with biomaterials, either natural or hybrid polymers. The potential applications include tissue engineering, biomolecules/drug delivery, cell delivery, biosensors, and 3D in vitro model development for drugs/natural herbs, etc., as well as toxicity testing.

This Special Issue welcomes any related original research and reviews primarily focusing on natural-based or hybrid polymer biomaterials scrutinising multifunctional-based approaches including three-dimensional design modification, surface morphology, biomaterial compositions, accentuating acellular or cell-based delivery systems, and tissue repair technologies.





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 (*Polymers and Plastics*)

## Contact Us

---

*Polymers* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/polymers](http://mdpi.com/journal/polymers)  
[polymers@mdpi.com](mailto:polymers@mdpi.com)  
[X@Polymers\\_MDPI](https://twitter.com/Polymers_MDPI)