

Special Issue

Self-Assembled Polymeric Nanostructures for Biomedicine and Industry

Message from the Guest Editor

I am pleased to invite you to contribute your research papers, reviews, communications, perspectives, and technical notes for the Special Issue entitled "Self-Assembled Polymeric Nanostructures for Biomedicine and Industry". The self-assembly phenomenon is important in numerous biological processes, including protein folding, cell membrane formation from assembled lipids, and the formation of DNA double-helical structure. It also exhibits a profound impact on numerous fields due to the opportunity to develop versatile nanostructures of controlled shape, size, and properties. Many structures have been successfully applied to drug and gene delivery research, biosensors manufacturing, crystal engineering, biomedical research, and environmental sciences. However, many issues still need to be addressed. This Special Issue is devoted to serve as a platform for exchanging ideas for a better understanding of the complex nature of the self-assembly process, to present recent progress in the biomedical field of polymeric self-assembled nanostructures, and to inspire researchers to develop new advanced polymeric materials.

Guest Editor

Dr. Joanna Szafraniec-Szczyńska

Department of Pharmaceutical Technology and Biopharmaceutics,
Faculty of Pharmacy, Jagiellonian University Medical College, Krakow,
Poland

Deadline for manuscript submissions

closed (31 December 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/112444

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)