

Special Issue

Polymers in Pharmacy and Biomedicine: Versatility of Sources and Applications

Message from the Guest Editor

During the last decades, polymers have been widely used in pharmaceutical preparation. Polymers present versatile functions in drug delivery, targeting and controlling drug release. In addition, it is expected that further biomedical applications of polymeric materials will be found in the near future. A proper selection of polymers plays a crucial role in pharmaceutical formulation in terms of drug solubility, absorption, tissue distribution and the stability of the dosage form. A variety of natural, semisynthetic, and synthetic polymers could be used in pharmaceutical formulations. Moreover, with increasing disease complexity, an improved drug delivery system is in demand, and to develop these polymer-based delivery systems could be beneficial. The aim of this Special Issue is to shed the light on the progress in and fundamental aspects of the synthesis, characterization, properties, and biomedical application of polymers and biologically relevant macromolecules, as well as their copolymers and nanocomposites. This Special Issue covers the application of polymers in pharmaceutical industries, biology and medicine to deliver drugs with good efficacy, safety and quality.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/116219

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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 4.7.

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

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