

Special Issue

Advanced Polymeric Nanomedicine for Drug Delivery Systems

Message from the Guest Editor

Nanotechnology has an enormous impact on current nanomedicine-based drug and gene delivery systems. Biodegradable and biocompatible nanomaterials with an appropriate size and surface chemistry are paving the way for the advancement of drug and gene delivery systems. In the year 2020, consecutive approval (by FDA) of two nanomedicine formulations, mRNA-1273 and Tozinameran®, further underlined the potentiality of nanomedicine. Hence, in this Special Issue, we focus on nanomedicine-based drug and gene delivery systems executed for various therapeutic applications, including anticancer and antimicrobial therapies. Papers on biomaterials such as natural and synthetic polymers, peptides, and lipid-based nanomedicine are invited for publication in this issue. However, research works based on newly developed nanoformulations or nanomedicine with potential therapeutic effects toward a broad spectrum of diseases are also encouraged in this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



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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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