

Special Issue

Advances in Polymeric Biomaterials: Drug Delivery and Tissue Engineering

Message from the Guest Editor

Polymeric biomaterials have played a pivotal role in recent advances in drug delivery and tissue engineering, and in promoting the healing process in regenerative medicine. These biomaterials provide the unique features and structural flexibility that enable us to tailor their physicochemical and mechanical properties according to desired applications. Besides, the development of biomanufacturing processes (e.g. 3D bioprinting, electrospinning, etc.) has provided a unique opportunity to shape natural and/or synthetic biomaterials into the desired geometry, with precise control over multiple compositions, spatial distributions, and architectural accuracy/complexity.

This Special Issue aims to highlight and promote recent advances in the synthesis, characterizations, and applications of innovative polymeric biomaterials in drug delivery and tissue engineering. It also covers the potential applications of such biomaterials in biofabrication, 3D bioprinting, surface bio-functionalization, and implantable devices and sensors.

Guest Editor

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Deadline for manuscript submissions

closed (15 October 2022)



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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