Special Issue

Advances on Natural-Based Polymers for Biomedical Applications

Message from the Guest Editors

Natural polymers have been widely explored for biomedical applications due to its high availability and biological properties. This type of polymers present morphological and functional similarities to the extracellular matrix of tissues. In particular, they possess peptide sequences at its surfaces, which can be recognized by cell surface receptors and, subsequently trigger cell adhesion and proliferation. Furthermore, the natural polymers are also known by their chemical versatility that allow its modification by using well stablished chemical/physical functionalization approaches. In this way, the natural-based polymers have been receiving special attention in the development of different systems for biomedical applications. This Special Issue focuses on the design, production, characterization, functionalization, properties and performance of naturally derived polymers for biomedical applications such as implantable biomaterials, controlled release carriers, wound dressings, or scaffolds for tissue engineering.

Guest Editors

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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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