



Advances on Natural-Based Polymers for Biomedical Applications

Guest Editors:

**Dr. Sónia Alexandra Pereira
Miguel**

Dr. Paula Coutinho

Dr. Maximiano Ribeiro

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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 established 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.





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Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

Message from the Editor-in-Chief

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Polymers Editorial Office
MDPI, St. Alban-Anlage 66
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