Special Issue

Polymeric Nanocomposites for Tissue Engineering and Wound Dressing

Message from the Guest Editor

The polymeric nanocomposites have proven to be versatile and effective for a wide range of biomedical applications. These nanomaterials produce a synergistic effect, benefitting from the exclusive features of each of their constituting materials. Polymer nanocomposites play a pivotal role in tissue engineering and regenerative medicine. In this Special Issue, we aim to cover different kinds of polymer nanocomposites that could be applied for the purpose of tissue engineering and wound dressing. They could be originated from natural or synthetic polymers or synthesized through different techniques such as electrospinning, self-assembly, phase inversion, among others. Particularly, the nanocomposite systems based on electrospun polymeric nanofibers and 3D-printed hydrogel constructs are considered as the highlight of this issue. However, the scope is not limited to such structures and can be extended to other polymer nanocomposites with nanoparticle and nanofibril inclusions, as well as other applications related to tissue engineering, such as drug delivery and antibacterial treatment.

Guest Editor

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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 4.9.

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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