Special Issue

Smart Polymers and Nanocomposites for 3D Bioprinting

Message from the Guest Editors

Smart polymers are known for their outstanding features, which are extremely useful for biomedical applications. Stimuli-responsive polymers and smart polymer nanocomposites are nowadays engaged in 3D bioprinting in order to biofabricate novel functional, versatile, and hybrid tissue constructs that are able to make regenerative medicine possible. As a possible response to the worldwide organ shortage, bioprinting technology will break into healthcare, revolutionizing not only organ biofabrication but also cosmetic, chemical, and pharmaceutical products testing on animals. In light of this, we are coordinating a Special Issue focused on original and new research advances in the area of 3D bioprinting, which includes biomaterials, functional and smart polymers, nanocomposites, and composites mimicking natural biomaterials. This Special Issue is open to any subject that deals with bioprinting techniques that employ different smart polymers (synthetic or natural) and will highlight the consistent advances in bioprinting in the biomedical field.

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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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