

Special Issue

Stimuli-Responsive Scaffolds for Tissue Engineering

Message from the Guest Editors

The responsiveness of some materials to certain stimuli allows them to undergo significant changes in its physical state, mechanical properties, aspect ratio, optical transparency, or electric resistivity, among others. The range of stimuli that can interact with the materials is very broad, but they are typically categorized according to its chemical (pH, ions, gases), physical (light, temperature, electric currents) or biological (enzymes, metabolites) nature. Scaffolds made from this stimuli-responsive materials are expected to have a significant impact on the field of tissue engineering, as they can be used as carriers for the delivery of bioactive molecules or as cell-supporting platforms. Their potential to interact with metabolic cues and become activated from external fields makes them ideal for the design of next-generation biomimics to interact with biological complex systems.

Guest Editors

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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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