Special Issue

Biodegradable Polymers: Recent Advances in Drug Delivery and Regenerative Medicine

Message from the Guest Editor

During the last decades, biodegradable polymers, both synthetic (e.g., polyesters such as poly(lactide-co-glycolide), polyanhydrides, etc.) and of natural origin (e.g., polysaccharides, proteins) have been extensively used, individually or in combinations, in drug delivery and regenerative medicine due to their exceptional physicochemical, mechanical and biological properties that can be fine-tuned to meet specific needs. In drug delivery, the use of biodegradable nanocarriers allows a controlled/sustained drug release profile. In tissue engineering, biodegradability is of primary importance since ideally the rate of tissue formation should match that of scaffold degradation. This Special Issue is devoted to the most recent research on biodegradable polymers for drug delivery and regenerative medicine applications, covering the synthesis and functionalization of macromers, the formation and characterization of drug loaded nanocarriers, and/or scaffolds/hydrogels, as well as their in vitro, ex vivo and in vivo evaluation.

Guest Editor

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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 4.9.

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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