

Special Issue

Multifunctional Natural-Based Polymers for Tissue Engineering & Regenerative Medicine

Message from the Guest Editors

Biomaterial has been established as one major component of regenerative medicine for various biomedical applications and clinical settings. It has emerged as an acellular or cell-based treatment via single or multifunctionalised approaches integrated with biomaterials, either natural or hybrid polymers. The potential applications include tissue engineering, biomolecules/drug delivery, cell delivery, biosensors, and 3D in vitro model development for drugs/natural herbs, etc., as well as toxicity testing. This Special Issue welcomes any related original research and reviews primarily focusing on natural-based or hybrid polymer biomaterials scrutinising multifunctional-based approaches including three-dimensional design modification, surface morphology, biomaterial compositions, accentuating acellular or cell-based delivery systems, and tissue repair technologies.

Guest Editors

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Deadline for manuscript submissions

closed (5 August 2022)



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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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