

Special Issue

Polymeric Scaffolds for Tissue Engineering and Regenerative Medicine

Message from the Guest Editors

The special issue focus on the design, fabrication, and biomedical application of polymer-based scaffolds and materials in tissue engineering. With the growing demand for innovative regenerative therapies, biocompatible and functional polymers have become central to scaffold development for repairing or replacing damaged tissues. Moreover, the issue feature cutting-edge research on natural and synthetic polymers, scaffold fabrication techniques, smart biomaterials, and their roles in enhancing cellular behaviour and tissue regeneration. Emphasis has been placed on emerging interdisciplinary approaches, including materials science, nanotechnology, and bioengineering, to address current challenges and future prospects in clinical translation. Topics of interest include but are not limited to, innovations in polymeric materials for tissue regeneration, the development of polymeric scaffolds, and emerging strategies in tissue regeneration and release of therapeutic agents.

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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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