

Special Issue

Biomedical Applications of Polymer and Composite Based Additive Manufacturing

Message from the Guest Editors

This Special Issue entitled “Biomedical Applications of Polymer- and Composite-Based Additive Manufacturing and the Development of 3D and 4D Printing Biomaterials” is devoted to the dissemination of high-quality original research articles, comprehensive reviews, and meta-analyses on recent achievements in this multi- and interdisciplinary field.

Additive manufacturing can effectively support modeling and prototyping of medical devices, surgical guides, or laboratory equipment, also supporting the fabrication of personalized implants or helping in the design and production of scaffolds for tissue engineering, offering a low-cost and tailorable solution for professionals on the biomedical field. The development of new approaches of additive manufacturing methods further increases the possibilities that different polymers and composites can provide. Regarding the continuous and intensive research activity on this area, it is essential to critically evaluate and characterize novel materials, in terms of structural, mechanical, and thermal behaviors, with special attention to biocompatibility and functionality.

Guest Editors

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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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