



## Advanced Manufacturing of Polymeric Biomaterials

Guest Editors:

**Dr. Qianming Lin**

School of Biomedical Engineering, Shenzhen Campus of Sun Yat-sen University, Shenzhen 518107, China

**Prof. Dr. Chao Zhang**

School of Biomedical Engineering, Shenzhen Campus of Sun Yat-sen University, Shenzhen 518107, China

**Dr. Kaiyang Yin**

Department of Microsystems Engineering, Faculty of Engineering, University of Freiburg, Breisgau, Germany

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### Message from the Guest Editors

Polymeric biomaterials, including synthetic polymers, biopolymers, and their composites used in biomedical applications, are critical to the performance of, for example, capsules for drug delivery, implants for regenerative medicine, surgical tools, and lab-on-a-chip for diagnostics. The particular requirements for biomedical applications, e.g., biocompatibility and potentially biodegradable, could not only be achieved by the selection of materials, but also by advanced manufacturing processes. The advanced manufacturing of polymer biomaterials, including 3D printing laser cutting and engraving, electrospinning, freeze casting, etc., could achieve the custom design of polymeric biomaterials across different scales, including their composition, internal microstructure, surface and interfaces, and macroscopic geometry, and consequently their structural and functional properties. This Special Issue aims to present various reviews and perspectives which explore the advanced manufacturing of polymeric biomaterials. Experimental and simulation approaches are both welcomed. We will appreciate your contributions to this Special Issue.





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## Editor-in-Chief

### Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien  
und Polymertechnologie,  
University of Potsdam, 14476  
Potsdam-Golm, Germany

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*Polymers* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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mdpi.com/journal/polymers  
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