

## Special Issue

# Additive Manufacturing of Biopolymers and Their Applications

### Message from the Guest Editors

Biopolymers, such as collagen, alginate, silk fibroin, chitosan, alginate, cellulose, and starch, have various applications in the food industry, biomedical engineering, regenerative medicine, agriculture, packaging, and the pharmaceutical industry, due to their inherent biocompatibility, bioactivity, and biodegradability. Additive manufacturing of biopolymers, in particular, offers new opportunities, enabling the manufacturing of 3D structures and materials with specific patterns and properties. For instance, significant progress has been made in the field of biomedical and tissue engineering. The aim of this Special Issue is to build a community of authors and readers to discuss the latest research in this domain. This Special Issue will cover the wide spectrum of design, modeling, and processing aspects dealing with the 3D printing of biopolymers and their related applications. The technological areas of interest include, but are not limited to, naturally derived and synthetic biopolymers for 3D printing, bioprinting, the 3D printing of hydrogels, tissue engineering, personalized medicine, and organs on chips.

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### Guest Editors

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### Deadline for manuscript submissions

closed (25 June 2022)



## Polymers

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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 4.7.

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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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