## Special Issue

## Perspectives of Biopolymer Functionalization for New Materials

## Message from the Guest Editor

Biopolymers such as polysaccharides and proteins of various sources are well-known compounds due to their biocompatibility and biodegradability. These molecules in their native form are interesting materials for a wide range of applications such as food excipients, drug delivery systems, packaging materials with an extended shelf life, wound dressing materials, surface modifications, tissue scaffolds, and biologically active compounds in pharmaceutical and cosmetic formulations. Chemical, chemoenzymatic and physical modifications of the structure of biopolymers and biopolymer-based materials pave the way for the maximum functionalization of the valuable properties of polysaccharides and proteins. This Special Issue welcomes manuscripts contributing not only to new techniques and underlying mechanisms for the adaptation of functional materials but also to new products with controlled functions that can also be obtained for pharmaceutical applications, tissue engineering, food industry and agriculture.

### **Guest Editor**

Dr. Marta Tsirigotis-Maniecka

Laboratory of Bioproducts Technology, Department of Engineering and Technology of Chemical Processes, Organic and Pharmaceutical Technology Group, Wrocław University of Science and Technology, Wybrzeże Wyspiańskiego 29, 50-370 Wrocław, Poland

#### Deadline for manuscript submissions

20 August 2025



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Impact Factor 4.9 CiteScore 9.7 Indexed in PubMed



mdpi.com/si/228520

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers





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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

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

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