



Polysaccharides: From Synthesis to Applications

Guest Editors:

Dr. Jiangfeng Song

Dr. Dan Chen

Dr. Cong Teng

Deadline for manuscript
submissions:

closed (31 December 2025)

Message from the Guest Editors

Dear Colleagues,

Polysaccharides represent an essential and diverse class of biomolecules. From the complex processes involved in their synthesis to the diverse ways in which they are utilized in different sectors, there is a wealth of knowledge and innovation to be shared. This Special Issue encourages submissions that cover all aspects related to the synthesis of polysaccharides. The scope of contributions includes, but is not limited to, the following:

Novel synthetic approaches and technological explorations regarding polysaccharides;

Structural analysis and characteristic studies on polysaccharides from different sources;

Mechanisms and regulations in the synthesis process of polysaccharides;

Applications of polysaccharides in the biomedical field, such as drug delivery or tissue engineering;

Applications and innovations in polysaccharides in the food industry;

The potential of polysaccharides in environmental protection and sustainable development;

Emerging applications and prospects for polysaccharides in other fields.

Early bird discount can be enjoyed for manuscripts submitted before 31 December 2024. For details, please contact shelly.gu@mdpi.com.





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Editor-in-Chief

Prof. Dr. Alexander Böker

Fraunhofer-Institut für
Angewandte Polymerforschung,
Lehrstuhl für Polymermaterialien
und Polymertechnologie,
Universität Potsdam,
Geiselbergstraße 69, 14476
Potsdam-Golm, Germany

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 4.9.

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.

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Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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