

Special Issue

Structure Elucidation, Functions and Applications of Polysaccharides

Message from the Guest Editor

Polysaccharides are essential macromolecules that play significant roles in the growth and survival of all life forms. Polysaccharides including homopolysaccharides (α -glucans), heteropolysaccharides and glycoconjugates from plants, bacteria and fungi are gaining increasing attention since they exhibit a wide range of biological activities, such as anti-tumor, immunomodulatory, antimicrobial, antioxidant, anticoagulant, antidiabetic, antiviral, and hypoglycemia activities. Physical and chemical modifications have also had improved effects on their properties. With these advancements in mind, this Special Issue seeks the latest high-quality, advanced research and knowledge on the structure elucidation, functions and applications of polysaccharides to provide updated references for researchers working on polysaccharides. Any studies presenting progress related to the biosynthesis and metabolic pathways of polysaccharides are also welcome for submission.

Guest Editor

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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 4.9.

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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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