



## Structure Elucidation, Functions and Applications of Polysaccharides

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### Message from the Guest Editor

Dear Colleagues,

Polysaccharides are essential macromolecules that play significant roles in the growth and survival of all life forms. Polysaccharides including homopolysaccharides ( $\alpha/\beta$ -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.

Prof. Dr. Fengjie Cui  
Guest Editor





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