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Extraction, Chemical Modifications and Bioactive Properties of Polysaccharides

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Message from the Guest Editors

Polysaccharides are very complex polymers whose biological activity is closely related to their structure. There are differences in the molecular weight and monosaccharide composition of polysaccharides derived from different sources. In recent years, studies into the impacts of monosaccharide composition, sequencing, functional groups and side chains, molecular weight, and other factors on the biological activity of polysaccharides have become increasingly thorough and extensive. However, the roles and mechanism of functional monosaccharides are not yet clear. With the increasing demand for options to enable healthy living both domestically and internationally, polysaccharide products have become a clear new consumer direction and meet obvious demands. Polysaccharides have rich biological activities and can alleviate or cure different diseases. As such, their mechanisms of action should be the focus of future research. New scientific and technological advancements will open up new research directions for polysaccharides and pave the way for the comprehensive development and utilization of polysaccharides.



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Special Issue



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Message from the Editor-in-Chief

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