



## Latest Research on Polysaccharides: Structure and Applications

Guest Editor:

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### Message from the Guest Editor

Polysaccharides, comprising monosaccharide units joined by glycosidic linkages, are the most abundant macromolecular polymers essential for organism development. Recent investigations have demonstrated that polysaccharides derived from plants, microorganisms, and algae present significant biological and pharmacological activities, including antioxidant, anti-diabetic, anti-cancer, immunomodulatory, hypolipidemic, and gut microbiota modulation properties. The role of polysaccharides is typically evident during gastrointestinal digestion or subsequent colonic fermentation, making it necessary to elucidate their accessibility and impact on microbiota modulation.

The current Special Issue “Latest Research on Polysaccharides: Structure and Applications”, is designed to assemble cutting-edge research on the innovative preparation, structural characterization, bioaccessibility, bioactivity assessment, and application of polysaccharides. Contributions that establish the correlation between the structure and functionality of polysaccharides are particularly encouraged.





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