Special Issue

Latest Research on Polysaccharides: Structure and Applications

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.

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

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