



Latest Research on Polysaccharides: Extraction, Structural Analysis and Applications

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Deadline for manuscript submissions:

closed (30 June 2023)

Message from the Guest Editors

In the natural world, polysaccharides and their derivatives are extremely numerous and varied. They have important functions in a vast array of scientific fields, including uses in fine chemicals, the medical sciences, biopharmacology, food technology, cosmetics and cosmeceuticals, biochemicals, and bioplastics. The roles of polysaccharides are quite diverse, and can serve a variety of functions, from active components of medications, delivery methods, and food additives to wound dressing, packaging, and innovative materials. To this end, organic, polymer, and biological chemists are actively exploring the new physical, chemical, enzymatic, and chemoenzymatic strategies to generate naturally sourced polysaccharide derivatives with unique features and uses.

This Special Issue will be devoted to the most recent research on the themes outlined, encompassing all the elements of the extraction, structural modification, characterization, and activity of polysaccharides, as well as their widest possible applications.





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Message from the Editor-in-Chief

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