

Special Issue

Recent Advances in the Structure, Biological Activity and Structure–Activity Relationship of Polysaccharides

Message from the Guest Editors

Natural polysaccharides, derived from sources such as plants, fungi, and algae, have gained significant attention due to their structural diversity, biocompatibility, and wide range of beneficial biological activities. Their anticancer potential, expressed either indirectly through immunomodulation or directly via the inhibition of cancer cell proliferation and/or the induction of cancer cell death, is particularly noteworthy. Understanding the structural complexity of polysaccharides and their influence on bioactivity is crucial for unlocking their full therapeutic potential. This Special Issue aims at highlighting the recent progress in the extraction, purification, structural characterization, and evaluation of the biological activity of natural polysaccharides.

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