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Advances in Polysaccharide Biomaterials—Volume II

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closed (31 August 2022)

Message from the Guest Editor

Polysaccharides, or glycans, are diverse in structure and function; they are widely distributed in nature and are produced by all organisms, including plants, animals, and microorganisms. Natural polysaccharides exhibit excellent characteristics, including biodegradability and biocompatibility, which make them extremely attractive for numerous biomedical applications. The presence of different functional groups in polysaccharides allows various chemical modifications that provide virtually limitless options to develop biomaterials better suited to specific applications.

This Special Issue aims to provide broad coverage of research progress and up-to-date reviews addressing various fundamental and applied problems of polysaccharide biomaterials. In this Special Issue, we seek contributions from researchers to discuss all aspects of polysaccharide biomaterials, including tissue engineering, regenerative medicine, drug and gene delivery, wound healing, and diagnostics. We intend for this Special Issue to offer a unique platform for the diffusion of new concepts and bioapplications of polysaccharides to continue to motivate further research in the field.

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Message from the Editor-in-Chief

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