Special Issue

Advances in Polysaccharide Biomaterials—Volume II

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.

Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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