

Special Issue

Carbohydrate Polymer Applications in Biomedical and Public Health

Message from the Guest Editor

Carbohydrates polymers, the most abundant natural biomaterials, provide a versatile platform for various biomedical applications due to multifaceted structural and functional properties like antimicrobial activity, cellular interaction, crosslinking ability, protein binding to design desired biomaterials. Inherent biocompatible and biodegradable properties of polysaccharides attract to derive functional biomaterial. Polysaccharides take part in crucial functions of organisms including cellular communication, inflammation, infection development and disease, that make them the most sought-after biomaterials in form of drug delivery devices, tissue engineering, cell targeting, antibacterial, regenerative medicines, organoid scaffolds, medical device coating, etc. The relevance of Public Health in COVID-19 emergency situation is notably recognized worldwide. The versatile characteristics of carbohydrate polymers and growing interest in their biomedical applications lead us to invite you submit your research work to this special issue in the form of a new research article or a systematic review of existing literature.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

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