## Special Issue

## Polysaccharide-Based Materials: Developments and Properties, 2nd Edition

## Message from the Guest Editor

Bio-based materials have emerged as an innovative alternative to those derived from non-renewable and non-biodegradable resources. In this context, the study and development of new materials are strongly centred on polysaccharides. The sources of polysaccharides are principally biomass, such as agricultural derivatives, as well as microorganisms and their metabolic processes capable of producing exopolysaccharides. A significant challenge facing this domain is obtaining polysaccharide-based materials with functional capacities comparable to those of materials derived from synthetic polymers. This Special Issue will synthesize original research and reviews related to polysaccharides and the physicochemical and biotechnological processes aimed at converting these biopolymers into materials such as gels, hydrogels, and films for specialised applications, including as adhesives, adsorbents, carriers for bioactive compounds, and coatings. Additionally, this issue will encompass the study of these materials' properties and applications in packaging, technology, medicine, and other fields.

### **Guest Editor**

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### Deadline for manuscript submissions

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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

#### Editor-in-Chief

#### Prof. Dr. Alexander Böker

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