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Plant Polysaccharides Based Polymers

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Deadline for manuscript submissions:
closed (31 October 2020)

Message from the Guest Editors

Dear Colleagues,

Plant-based polymers have gained importance in various fields, due their natural abundance, biocompatibility and non-toxicity. These plant-based polymers have also been in demand in their nanoforms because of their tunable surface chemistry, high specific surface area and enhanced increase in compatibility with other synthetic polymers. Therefore, the preparation and functionalization of these polymers in both -macro and -nano forms are important area of research.

The scope of our Special Issue will focus on all areas where fundamental and applied research is being conducted on natural polymers, especially related to cellulose and their nanoforms (e.g., nanocrystals, nanofibrillated cellulose, bacterial cellulose, cellulose nanocrystals), hemicellulose, and other polysaccharides, etc. In addition to this, it will also cover their processing, structural characterization and advanced applications in various field including water purification, composite materials, energy storage, biosensors, membranes, polymer reinforcement, biomedical scaffolds, wound healing, sensing materials, 3D printing, etc.

Guest Editors

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Message from the Editor-in-Chief

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 5.8.

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.

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