

Special Issue

Biopolymers: Synthesis, Preparations and Applications

Message from the Guest Editor

Biopolymers are used in many potential applications, such as biofuels, biomedicine and biocomposites. With several organisms (microorganisms, marine animal, plants and algae) offering various biopolymer sources, new advances in terms of their synthesis, extraction, modification and functionalisation are expected to improve their application potential in many fields (the pharmaceutical, cosmetic and food industries, bio-ink and tissue engineering, etc.) This Special Issue aims to collect recent and original advances in this field, focusing mainly on Carbohydrates, Bioplastics, Lignins and other naturally abundant biopolymers. The Special Issue will include, but is not limited to:

- Extraction processes and purification;
- Characterization and structural analysis;
- Modification/functionalisation processes—grafting, chemical modification, etc.;
- Industrial applications/evaluations;
- Physico-chemical or biological activities.

Guest Editor

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About the Journal

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 4.7.

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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