# Special Issue

# Recent Advances in Biodegradable Polymers and Their Applications

### Message from the Guest Editors

Natural polymers such as chitosan, alginate, BHA, lignin, hemicellulose, pectin and cellulose are low-cost structures, readily biodegradable, widely available and correspond to environmentally friendly resources. Due to their extraordinary affinity with contaminant compounds (such as heavy metal ions, toxins, organic solvents, and organic molecules), these polymers are receiving increasing attention for application as renewable alternative feedstocks in the fabrication of biopolymers for environmental troubles. In this Special Issue, which provides a platform for collaborative discussion (through research, case reports, reviews, or short communications), we focus on the synthesis and characterization of new materials, especially in those that have several applications, including detoxification, bioremediation or bio-absorption, using natural polymers. Finally, we invite research works based on newly developed natural polymers, modified of blend, with potential applications for this Special Issue.

### Guest Editors

Prof. Dr. Ricardo I. Castro Cepeda

Prof. Dr. Cristian Rodrigo Valdes Vergara

Dr. Manuela Zubitur

### Deadline for manuscript submissions

closed (15 May 2024)

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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 4.7.

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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