

Special Issue

Advanced Biopolymers for Biodegradable Food Packaging

Message from the Guest Editors

Petroleum-derived plastics used for food packaging are the largest contributor to plastic pollution. Replacing conventional plastics with environmentally friendly and sustainable materials derived from renewable sources can address the environmental issues caused by plastics. There is increasing interest in using natural hydrocolloid biopolymers, such as polysaccharides and proteins, to develop bio-based packaging, able to be easily biodegraded under soil-like conditions. Based on circular economy paradigms, biopolymers extracted from by-products, can be considered eco-friendly and sustainable sources for developing food packaging with tailored features. Moreover, the addition of natural active ingredients could further improve the biological and technological potential of the derived materials. This Special Issue aims to collect research papers, communications, and review articles with original contributions on the development and characterisation of active/smart bio-based materials from natural biopolymers with the ability to be used in food packaging.

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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 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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