



## Biopolymers from Renewable Sources and Their Applications

Guest Editors:

**Prof. Dr. Farayde Matta Fakhouri**

Department of Materials Science and Engineering, Universitat Politècnica de Catalunya (UPC BarcelonaTech), 08222 Terrassa, Spain

**Prof. Dr. José Ignacio Velasco**

Poly2 Group, Department of Materials Science and Engineering, Technical University of Catalonia (UPC BarcelonaTech), ESEIAAT, C/Colom 11, 08222 Terrassa, Spain

Deadline for manuscript submissions:

**closed (28 February 2022)**

### Message from the Guest Editors

The implementation of circular economy systems and the increasing focus on minimizing the disposal of non-biodegradable materials deliver significant benefits to the environment such as the preservation of fossil raw materials, reduction of landfill waste, and reduction of CO<sub>2</sub> emissions.

In this context, research for the development of materials from renewable sources like lipids, plant-based proteins (zein, soy, pea, gluten), animal-based proteins (gelatine, whey, casein), and polysaccharides (starch, chitosan, sodium alginate, pectin, gums) has grown significantly in recent years. Some of these environmental-friendly materials can be used to develop flexible films, rigid sheets, and foams. They can also be processed into edible systems, such as coatings.

This Special Issue will present the most recent research works and reviews dedicated to polymers from renewable sources and their potential applications in the short and long-term.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien  
und Polymertechnologie,  
University of Potsdam, 14476  
Potsdam-Golm, Germany

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry & Polymers and Plastics)

## Contact Us

---

*Polymers* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/polymers  
polymers@mdpi.com  
X@Polymers\_MDPI