

Special Issue

Starch-Based Composites

Message from the Guest Editors

Research toward the development of biodegradable materials with improved properties and balance of functionality has grown dramatically during the last few years, and a lot of efforts are applied to reduce the gap between the properties of bioplastics and biocomposites and those of conventional materials. Different solutions, such as application of nanotechnologies and incorporation of active components into a matrix, broaden the possibilities to enhance the properties of bioplastics, while at the same time improving the cost-benefit balance. In this context, different types of native and modified starches, blends with other biopolymers, as well as composites with (nano)fillers and (nano)fibers are being widely studied. Starch is present in a vast number of vegetal species, and hence with a very high availability, and materials synthesized with this polymer can ideally be not only biodegradable but also edible. Therefore, the aim of this Special Issue is to share the newest original research works and reviews dedicated to starch-based composites and their present or near future 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 (20 December 2021)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/46101

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

[mdpi.com/journal/
polymers](https://mdpi.com/journal/polymers)





Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



[mdpi.com/journal/
polymers](https://mdpi.com/journal/polymers)



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 4.9.

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

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für
Polymermaterialien und Polymertechnologie, Universität Potsdam,
Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

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)