

Special Issue

Application of Starch-Based Polymers

Message from the Guest Editor

Starch is a kind of natural polymer synthesized in higher plants, and is one of the most abundant renewable polysaccharides in the world. Due to the good properties, renewability, and biodegradability, starch and starch-based polymers have been employed as important raw materials for the manufacture of various products, such as film, emulsions, dispersion stabilizers, crystal inhibitors, embedding agents, gelling and thickening agents, etc. Currently, starch-based polymers are widely applied not only in food and agriculture production but also in the chemical and medicine industries. In addition, many innovative methods and techniques for the modification of starch-based polymers are being used to improve their properties and functions in order to enhance their application values and approaches. The present Special Issue aims to demonstrate the current state of knowledge on the application of starch-based polymers and their derivatives. We invite you to submit original and review articles containing the latest reports and research results on starch-based polymers.

Guest Editor

Dr. Weicai Zeng

Department of Food Engineering, Sichuan University, Chengdu 610065, China

Deadline for manuscript submissions

closed (15 September 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/139031

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 4.7.

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

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 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)