

Special Issue

Structure, Properties and Applications of Starch

Message from the Guest Editor

Using renewable materials in various technologies, in particular, the packaging industry, is not only a fashion but is an urgent requirement. Industrial applications exist; however, the properties of these materials are still subject to improvement. Mechanical and environmental behaviour of these materials are sometimes unpredictable; the explanation for this is often difficult or unknown. This field of research requires more knowledge on the behavior of starch-based compounds, i.e., more knowledge regarding the fine structure of this polymer and the interaction between the components. Mechanical, thermo-analytical, mass transfer, and biological investigations are applied to starch and chemically modified starch-based materials.

Guest Editor

Prof. Dr. Kálmán Marossy

Institute of Ceramic and Polymer Engineering, University of Miskolc,
3515 Miskolc-Egyetemváros, Hungary

Deadline for manuscript submissions

31 October 2025



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/235463

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)