

Special Issue

Polymeric Materials in Food Science

Message from the Guest Editor

Polymer materials are widely used in a variety of fields given their properties and functionality. This Special Issue will mostly focus on those polymer-based materials used for agri-food applications. Other potential topics include, but are not limited to, the following: the new development of packaging materials, e.g. active packaging, nanocomposites, and biodegradable alternatives to petroleum-based materials; novel edible films and coatings; the slow or controlled release of bioactive compounds from polymer matrices; bio-based alternatives to plastics in agriculture, e.g., planting pots, mulching, and seed trays; superabsorbent polymers used for food packaging, and soil conditioners; and emerging polymer processing, such as 3D printing and electrohydrodynamic techniques for different agri-food applications.

Guest Editor

Dr. Barbara Tomadoni

Department of Chemical Engineering, Technology and Design of Multicomponent Products, Universidad de Sevilla, Escuela Politécnica Superior, C/ Virgen de África, 7, 41011 Seville, Spain

Deadline for manuscript submissions

25 May 2026



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/202517

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, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)