

Special Issue

Plant-Derived Biopolymers and Natural Polymers

Message from the Guest Editor

Currently, the focus of cutting-edge research is on revealing the complex structure–property correlation of plant-derived biopolymers and natural polymeric systems which require a more profound understanding. The papers published within the Special Issue entitled “**Plant-Derived Biopolymers and Natural Polymers**” will address key aspects of this domain, covering, but not limited to, the following topics:

- Biodegradability and environmental impact, with a focus on different degradation mechanisms and end-products from soil, marine, or compost environment exposure.
- Modification potential through chemical or physical modifications (e.g., grafting, crosslinking, and blending) which could augment functionality or properties for targeted applications.
- Structure–property relationships dealing with the impact of molecular structure and morphology over macroscopic behaviour for materials design.

We look forward to receiving your papers on plant-derived and natural polymers.

Guest Editor

Dr. Celina Maria Damian

Advanced Polymer Materials Group, National University of Science and Technology, 011063 Bucharest, Romania

Deadline for manuscript submissions

31 August 2026



Polymers

an Open Access Journal
by MDPI

Impact Factor 5.8
CiteScore 11.0
Indexed in PubMed



mdpi.com/si/245313

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 5.8
CiteScore 11.0
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 (Polymers and Plastics)