

Special Issue

Advances in Biopolymer Research: Sustainability and Applications

Message from the Guest Editors

Polymers is pleased to announce this Special Issue dedicated to innovative developments in biopolymer-based materials for advanced and sustainable applications. The growing demand for sustainable materials has driven significant developments in biopolymer research, and these materials have proven to be a promising alternative to conventional solutions, with comparable or even better performance relative to fossil-fuel-based synthetic polymers. This Special Issue aims to explore cutting-edge research on sustainable innovative biopolymer solutions, addressing both fundamental scientific research and case-study applications. We conceive this Special Issue as a dynamic and flourishing platform for peers to bring together disruptive concepts and ideas, combining the latest innovations and emerging trends on sustainable solutions to face global challenges. We hope this Special Issue will serve as a catalyst for future academia–industry collaboration, stimulating the transfer of knowledge and the practical application of innovative and environmentally friendly solutions in society.

Guest Editors

Dr. Pedro V. Rodrigues

Dr. M. Cidalia R. Castro

Dr. Ana Vera A. MacHado

Deadline for manuscript submissions

31 May 2026



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/236760

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)