Special Issue

Chiral Polymers: Construction and Applications

Message from the Guest Editor

Chiral polymers represent a key class of materials engineered to leverage this property. They exhibit tunable chiroptical activities, making them promising candidates for next-generation optoelectronic devices like chiral sensors and circularly polarized light emitters. Additionally, they enable efficient enantioselective catalysis and separation processes essential for high-purity chemical synthesis. In biomedicine, chiral polymers serve as versatile platforms for applications such as targeted drug delivery. Thus, they form a crucial link between fundamental chiral science and practical innovations spanning healthcare, materials science, and industrial technology. This Special Issue, titled “Chiral Polymers: Construction and Applications”, aims to highlight the latest breakthroughs and emerging trends in this vibrant field. We warmly invite contributions in the form of original research articles and review articles that address the design, synthesis, characterization, and application of chiral polymeric materials.

Guest Editor

Dr. Yuanli Chen

Key Laboratory of Textile Fiber and Products, Ministry of Education, Wuhan Textile University, Wuhan 430200, China

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/258128

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

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

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)

MDPI