

Special Issue

Polymeric Materials for Textile Applications

Message from the Guest Editor

Polymeric materials have played a central role in the rapid advancement of modern textiles, enabling innovations in performance, sustainability, comfort, and functionality. This Special Issue aims to provide a comprehensive platform for presenting recent progress in polymer science as applied to textile fibers, structures, and finishing technologies. Topics of interest include the development of new synthetic and bio-based polymers; modification of conventional fibers to enhance mechanical, thermal, or moisture-management properties; and advanced functionalization strategies such as antimicrobial, flame-retardant, UV-protective, or conductive treatments. Emerging technologies—such as nanocomposites, smart polymers, responsive materials, and environmentally friendly dyeing and finishing—are particularly welcome. Research that addresses circularity, recyclability, and low-carbon processing routes is also strongly encouraged. Both fundamental studies and application-oriented contributions are suitable for this Special Issue, including experimental work, theoretical modeling, and reviews.

Guest Editor

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Deadline for manuscript submissions

31 July 2026



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



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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

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