Special Issue

Bio-Inspired Polymers: Synthesis, Properties and Applications

Message from the Guest Editor

Bio-inspired polymers represent a new class of synthetic materials that draw inspiration from natural biological systems to mimic their structures, properties, and functions. These polymers combine the advantages of synthetic polymers, i.e., they are highly designable and easy to access, and the unique characteristics of biomaterials, such as self-assembly, responsiveness to environmental stimuli, specific molecular recognition, etc. By mimicking the structures and functions of natural biological materials, bio-inspired polymers can offer improved biocompatibility, bioactivity, and specificity for targeted applications. Bio-inspired polymers have been receiving more and more attention for their wide range of applications in biomedicine, materials science, and environmental technology. The Special Issue on "Bio-Inspired Polymers: Synthesis, Properties and Applications" invites original research articles, communications and reviews of a high quality. All topics related to bio-inspired polymers are welcome.

Guest Editor

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Deadline for manuscript submissions

15 September 2025

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/198877

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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 4.7.

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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