

Special Issue

Functionalization and Medical Application of Polymer Materials

Message from the Guest Editor

We can functionalize the preformed polymeric chain or the monomers whose polymerization constitutes the second step of the synthesis. Different requirements induce functionalization. Enhancing water solubility, altering the conformation in solution, inducing coordination capability toward ionic or neutral molecules, and inducing optical properties such as light absorption or fluorescence improve the polymers' applicability. Functionalized polymers can find applications in all medical fields, e.g., drug delivery, tissue engineering, theranostic medicine. Polymer functionalization for medical application is a research field that mainly involves organic chemists interested in the synthesis of novel biomaterials for challenging targets.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



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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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