

## Special Issue

# Polymer Functionalization and Cross-Linking: Methodologies and Applications

### Message from the Guest Editor

Polymeric materials are of great importance in modern world and are present in almost all fields of science and industry. In addition to new polymers and polymerization techniques, the last few decades have shown an exponential increase of methodologies aimed at functionalizing known polymers, in order to improve their mechanical, thermal, electronic or optical properties, as well as to introduce selected functionalities needed for advanced applications. Often, a successful procedure used for a single-site attack can inspire the design of a reagent that exploits the same reactivity in a bifunctional way, allowing the connection of two sites of the polymer chain, as well as two different chains. However, cross-linking can also be achieved by the single-site introduction of functionalities able to interact with each other by non-covalent interactions. This Special Issue will focus on recent advances in methodologies for polymer functionalization and cross-linking, as well as new applications of functionalised and cross-linked polymers. Both original research papers and reviews covering this topic are welcome.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 April 2022)



## Polymers

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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 4.7.

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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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