

## Special Issue

# Topology Effects on Polymer Properties

### Message from the Guest Editors

Recent synthetic methods have allowed preparing macromolecules with different topologies and very well-defined architectures, comprising ring polymers, star polymers, comb polymers, polymer brushes, and dendrimers, to name the most common ones. The further possibility of having unlikely repeat units, thus considering random and, in particular, block copolymers, can provide an additional degree of freedom to tailor the macromolecules' properties and tune their performance. These different architectures may lead to new and peculiar polymer properties in that they can affect both the conformational and the dynamical properties of these polymers, hence, for instance, their rheological and transport properties. Additionally, the possible functionalization of the end groups in branched polymers may increase their versatility. Accordingly, all these features may lead to smart functional materials with a large array of possible applications in many, largely unrelated nanoscience and nanotechnology fields, in particular, for instance, in nanomedicine.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2020)



## Polymers

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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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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