

Special Issue

Synthesis, Structure, Characterization and Application of Polymer Networks and Gels

Message from the Guest Editor

This Special Issue focuses on the latest technologies in the synthesis, structure, characterization and application of polymer networks and gels. Polymer networks and gels are highly correlated, and they have properties that can control mechanical properties and others, depending on the formation of the network. Gels are used in various fields; regarding medicine and pharmaceuticals, they are used as carriers to deliver drugs in a stable manner. The strength, fluidity, and shape of gels depend on temperature, pressure, and chemical composition. We welcome papers that discuss the latest research or review selected research areas in this field. The scope of this Special Issue includes the synthesis, characterization and application of polymer networks and gels made from organic radical polymers, natural polymers, biocompatible polymers, synthetic polymers or polymeric hydrogels. The issue is particularly interested in the structure–property relationships of these gels, the novel chemical pathways that enable the functionality of these materials, and their applications in polymer and biomedical research as a springboard for interdisciplinary research.

Guest Editor

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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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