



Progress in Polymer Networks

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Message from the Guest Editors

This Special Issue intends to collect reviews on the aspects of the synthesis, characterization, and applications of crosslinked polymers, and achievements in the field. Polymeric networks can be obtained by either chemical crosslinking (when the crosslinks are formed by covalent chemical bonds) or physical gelation (when the crosslinks are formed by physical interaction).

The applications of polymer networks are extremely varied in different fields of technology, as well as in the field of biomedical or environmental protection, with these materials obviously contributing to the increase in the quality of our lives. The special issue deals with all branches of science, biology, medicine, and technology connected to emerging new research in the field of hydrogels.

The scope of the special issue covers but is not limited to the following topics: Covalent networks; Ionic networks (ionic gelation); Double crosslinked networks; Interpolymer complexes; Interpenetration networks; Semi-interpenetrated networks; Thermosetting polymers; Elastomers; Hydrogels—films, particles; Applications of hydrogels in cosmetics; Biomedical applications of hydrogels; Hydrogels in tissue engineering.





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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 5.0.

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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