Special Issue

Recent Advances in Crosslinking of Polymers

Message from the Guest Editors

The problems connected with the improvement of the physicochemical and functional properties of polymer materials, performed by crosslinking of these materials, are interesting from both a cognitive and utilization aspect. During the crosslinking of conventional, engineering, specialty, biodegradable, and other polymers, various complex phenomena can occur. They are a direct result of the behavior of the polymer upon crosslinking. Furthermore, it should be noted that the complexity of the phenomena is greater in the case of composites or polymer blends, where the individual components may interact with the crosslinking factor in different ways.

This Special Issue is dedicated to all types of crosslinking of polymeric materials. It refers to radiation treatment using gamma or electron radiation, as well as chemical crosslinking using different crosslinking agents such as peroxides or promoters. Therefore, it is my great pleasure to invite you to submit a manuscript for this Special Issue.

Keywords:

irradiation
radiation treatment
crosslinking
degradation
crosslinking agents
polymer modification

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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