



Recent Progress in Sulfur-Containing Polymers

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Message from the Guest Editor

Dear Colleagues,

Sulfur is a major by-product of oil refining and gas processing; thus, it is a widely available basic chemical raw material. The use of sulfur and its derivatives in polymers holds considerable promise, since polymers are among the most important mass-produced materials on Earth. Various papers have been published on the synthesis of various sulfur-containing polymers from low-cost sulfur resources. The types of sulfur-containing polymers that have recently been reported include poly(thioester)s, poly(thiourethane)s, polysulphones, etc. These clearly demonstrate improved optical, electrochemical and mechanical properties; thus, they are promising candidates for applications in thermal imaging, energy storage, self-healing materials, as well as separation and environmental remediation.

This Special Issue aims to present the recent progress in sulfur-containing polymers. Research on the synthesis, characterization, theoretical and numerical analyses, mechanistic studies, structure properties, engineering design and applications of various types of sulfur-containing polymers is welcome.





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