



Ionic Systems in Polymer Science: Ionic Liquids and Ionic Polymers for the Development of Novel Materials, Processes, and Applications

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Message from the Guest Editors

Polymer science has seen impressive development during the last few decades, with the advent of ionic and reversible deactivation radical polymerization techniques allowing for an unprecedented control over macromolecular properties and architectures. With these modern synthetic tools, polymer science is currently able to provide practically unlimited polymers to intensively cooperate with other chemical, physical, and biological sciences in order to better understand fundamental phenomena or to develop novel applications. This multidisciplinary work has the main purpose of delivering environmentally-friendly, sustainable, safer, more efficient, and/or less expensive materials suitable for specific applications and processes for their manufacture. Within this context, it is believed that ionic interactions between polymers and other chemical moieties play a crucial role for the aforementioned purposes. Hence, this Special Issue focuses on fundamental phenomena and practical applications derived from different ionic interactions in polymer science.





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