



Morphology and Aging of Polymers

Guest Editor:

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Message from the Guest Editor

Polymers are nowadays a driving force in our society. Unfortunately, their properties change with time owing to the combined effects of various types of aging. While many researchers conduct accelerated aging studies, the reported results rarely match the observations from the natural aging.

The macroscopic properties of polymers are largely determined by their morphology in terms of chemical structure, molecular dynamics, molecular weight, crystallinity degree etc. Thus, understanding and modeling the physical and chemical changes in the molecular network will provide the framework for establishing reliable structure-properties relationships reference and for determining their lifetime. It is important to use various modern analytical methods to research systematic details in this process.

This special issue aims at collecting research and review articles covering all aspects of aging-induced morphological changes in polymer materials. It provides a platform for discussing challenges and open issues by presenting suitable morphological characterization techniques and modeling methods for improved structure-properties relationships.





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Message from the Editor-in-Chief

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