Special Issue

Characterization and Properties of Block Copolymers

Message from the Guest Editor

Block copolymers (BCPs) have been widely employed for preparing nanomaterials in bulk or in selective solvents. As a powerful bottom-up technique to access nanomaterials, BCP self-assembly is a very promising approach to produce materials with various morphologies. It is an important property of BCPs. Phase separation in bulk and solvent effects/amphiphilic interactions in selective solvents drive the formation of ordered or regular structures. Especially, polymerization-induced self-assembly (PISA) and crystallization-driven self-assembly (CDSA), as well as other interesting self-assembly protocols, have attracted growing interest in polymer chemistry and materials. For instance, solid electrolytes using BCPs also are intriguing materials for manufacturing batteries. Furthermore, BCPs show other properties and performance aspects that can be applied in chemistry and materials.

The current Special Issue will focus on, but is not limited to, the synthesis, characterization, phase behavior, assembly and other properties of BCPs. Research articles, as well as, reviews are welcome in this Special Issue.

Guest Editor

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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 4.7.

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.

Editor-in-Chief

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