



Characterization and Properties of Block Copolymers

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Shaofei Song
Guest Editor





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