



Functionalization of Polymers for Advanced Applications

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Message from the Guest Editor

Functional polymers are finding an increasing popularity both in academia and in industry. They are macromolecules with unique features and applications depending on the presence of chemical functional groups. Functionalization of the polymer results in chemical heterogeneity, which, in turn, gives rise to many advantages, namely improved reactivity, phase separation, or enhanced compatibility. In addition, the possibility of functional polymers to create self-assemblies or supramolecular structures is another benefit. In response to chemical or physical stimuli, the formation or dissociation of self-assemblies can lead to “smart” materials.

This Special Issue, focused on functional polymers for advanced applications, will report the latest progress in the synthesis, properties, and applications of this type of materials. They are a versatile class of macromolecules with great potential in a large number of applications, ranging from medicine to the electronics industry.

