Special Issue

Advances in Surface Functionalization of Polymer Nanostructures

Message from the Guest Editor

Surface modification consists in modifying the surface of a material by giving different characteristics from the ones originally found on its surface. Controlling the surface chemical composition of nanostuctures can confer them with stability, compatibility, and functionality, enabling their use in a wide range of applications. A variety of methods are available for particle surface modification. Among them are physical absorption and chemical binding. Nanoparticles and nanostructures have been widely functionalized with diverse materials such as silica, synthetic polymers, biopolymers, and small molecules. The surface modification can alter a range of characteristics on the surface, such as roughness, hydrophobicity, surface charge, biocompatibility, and reactivity. The aim of this Special Issue is to update recent developments regarding the surface functionalization of nanostructures, especially new strategies to improve their stability and compatibility within other materials as well as tuning their functionality for specific applications.

Guest Editor

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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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