



## Advances in Surface Functionalization of Polymer Nanostructures

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### Message from the Guest Editor

Dear Colleagues,

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 nanostructures 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.

Dr. Cristina Neves  
*Guest Editor*





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