

Special Issue

Surface Modification and Functionalization of Nanoparticles

Message from the Guest Editor

Surface functionalization of nanoplateforms has also been advantageously used in cell labeling and imaging, tissue engineering, cell separation and cell sensing, separation of biochemicals, enzyme/protein immobilization, bioanalysis, and immunoassays, just to mention some additional applications in Biomedicine. Interestingly, surface decorated nanoparticles have also found uses far from Biomedicine, e.g., catalysis, energy-based research, and environmental applications. This Special Issue of *Nanomaterials* aims at receiving contributions (in the form of research articles, letters, reviews, and communications) to update the basis, applications, and perspectives in the surface engineering of nanoparticles, including the most promising moves towards advanced chemical surface modifications. I kindly invite you to submit a contribution to this Special Issue of *Nanomaterials* "Surface Modification and Functionalization of Nanoparticles".

Guest Editor

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano–alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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