Special Issue

Nanoparticles and Nanostructured Surfaces for Micro/Nano Systems

Message from the Guest Editor

Research conducted within the nanoscale range lies at an intersection of sciences, with research in the field of material science often affecting the fields of biotechnology, solid-state physics, and electronics. The role that nanostructures and nanoparticles play, in particular, is expanding in contemporary society. The utilization of nanostructured surfaces is crucial in a variety of applications, as they enhance the efficiency of physical, chemical, and biomedical processes. The applicative potential of nanostructured materials is diverse, from promising nanomaterials in the automotive and aviation industry, to implants and neurotechnological interfaces. This Special Issue aims to present the latest research on the development of novel products in the field of nanostructured materials and nanoparticles. Key research topics include, but are not limited to, the following: synthesis characterization, properties and new applications of nanostructured and nanoparticle-based materials in various fields, such as nano-electronics, energy conversion, catalysis, and nano-medicine.

Guest Editor

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