Special Issue

Synthesis and Characterization of Nano-Biomaterials and Their Applications

Message from the Guest Editor

Owing to their unique physico-chemical properties, as well as their remarkable biological activities, the outstanding potential of nanobiomaterials has attracted great scientific interest within the biomedical field. As their applications are increasingly growing, ranging from nanodiagnostics and nanosensing to nanodrug delivery and theranostics, the field is undergoing continuous development. Consequently, novel synthesis methods are being designed to overcome current limitations or enhance and improve specific characteristics. Thereby, characterization techniques are constantly updated to fit the most recent needs in visualizing and determining nanobiomaterials properties in terms of structure, morphology, and functionality. Therefore, this Special Issue aims to gather manuscripts focused on novel techniques for the synthesis of nanobiomaterials with improved biocompatibility and physicochemistry and any recent progress made within techniques for the advanced characterization of nanobiomaterials.

Guest Editor

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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