Special Issue

Novel Engineered Nanomaterials for Advanced Biological Applications

Message from the Guest Editor

In recent decades, a considerable number of engineered nanomaterials were have been with the purpose of a biomedical application mainly focused on diagnosis and disease therapy. Hence, organic, inorganic, and hybrid nanomaterials have been developed and used, for instance, in targeted drug delivery, hyperthermia, photodynamic therapy, bioimaging, and biosensors. In this Special Issue, we invite you to submit research articles, review papers, and short communications focused on general topics related to the development of novel nanomaterials for advanced biological applications, including (i) synthesis and design of functional nanomaterials for advanced biological applications; and (ii) biomedical applications such as bioimaging, photodynamic therapy, hyperthermia therapy, and drug delivery. Interdisciplinary approaches are also much welcomed. We anticipate that this Special Issue will present the recent advancements on nanoparticle developments for biological applications.

Guest Editor

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Deadline for manuscript submissions

closed (20 January 2022)

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Message from the Editor-in-Chief

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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