Special Issue

Bio-Nanomaterials

Message from the Guest Editor

Nanoscale materials have recently been utilized in a number of different applications in biology, biotechnology and biomedicine, pioneering advances in these fields through the areas of sensing, drug delivery, imaging, and tissue engineering. They have been demonstrated to detect biopathogens and biomarkers, enhance treatment efficacy, protect healthy tissue from the adverse effects of toxic therapeutics, safely deliver genes and genetic medicines to cells and tissues, uncover and/or aid novel aspects of cellular mechanics, reinforce prosthetics and serve as therapeutics on their own. Nanomaterials can be structurally adapted to a particular application and rendered biocompatible while serving several of these applications at once. Such multifunctionality can help address critical issues in biotechnology. This Special Issue of *Materials* aims to cover the latest advancements in the development of functional nanomaterials for biotechnology as well novel biological applications of existing nanomaterials.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/68685

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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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