Special Issue

Advanced Biomaterials Design and Sensing Application

Message from the Guest Editors

Nanostructured materials and nanoparticles available applications include wireless sensors, wide bandgap semiconductor, superconductors, medicine, magnetic material, metallic thin films, photovoltaic optics and photonics materials, flexible biomaterials, bioactive materials, polymeric and hybrid materials, and healthcare monitors, to name just few. These applications have already changed our lives to the point that intelligent design of new nanostructured materials is the key to engineering new products and creating new technologies. This Special Issue aims to highlight recent applications of biosensing, metamaterials, and biomaterials. Potential topics include but are not limited to:

- Nanomaterials in medicine (biomedical devices, drug delivery, imaging, etc.);
- Nanomaterial-based sensing technologies (photocatalysis, membranes, adsorption, etc.);
- Magnetic nanomaterials and quantum materials;
- Microwave, millimeter wave and terahertz in bio-sensing applications;
- Polymer composite materials for biomedical applications;
- Ultrahigh performance solid-state electronics and advanced electronics.

Guest Editors

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Deadline for manuscript submissions

closed (20 June 2022)

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Message from the Editorial Board

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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