Special Issue

Nanomaterials Based Sensors

Message from the Guest Editor

Nanostructured materials in various types of dimensions have received particular attention due to their promising applications as sensors in health care, early diagnosis, and environmental monitoring. In recent decades, various types of sensors have been developed with the assistance of nanomaterials, including the unique high-surface-area-to-volume ratio; biomolecule load capacity; easy preparation and functionalization; and optical, thermo-, electroconductive, and catalytic properties. Thus, the aim of this Special Issue is to publish and disseminate original research data, review articles, communications, and short notes that focus on new (experimental or theoretical) advances, challenges, and outlooks concerning the preparation, characterization, and application of nanomaterials for sensors development. We invite contributions on topics that include but are not limited to various state-of-the-art sensing technologies. Keywords

- biosensors
- graphene
- carbon nanotubes
- carbon dots
- nanoparticles
- nanohybrid
- health care
- environmental monitoring

Guest Editor

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Deadline for manuscript submissions

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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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