



Nanomaterials Based Sensors

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 May 2021)

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





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Message from the Editor-in-Chief

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