Special Issue

Nanocomposite Sensors

Message from the Guest Editor

The introduction of functional particles into matrices to enhance sensing performance is an area of growing interest. Nanoparticles can range in material type, such as metals, polymers, semiconductors/quantum dots, and inorganic material, as can their matrices. This Special Issue is focused on targeting materials and their measurement and performance through the incorporation of nanoparticles into said materials for applications in the biomedical, pollution, structural health monitoring fields. Potential topics cover a wide range of research fields related to the fundamental and applied aspects of sensor nanomaterials, as well as their novel functionalities and applications, and include (but are not limited to) the following:

- Synthesis and measurement of nanocomposites for sensing and biosensing;
- Functionalization and labeling of the incorporated nanomaterials for sensing purposes;
- Sensing devices using nanocomposites;
- New approaches to measuring the performance of nanocomposite sensing materials;
- Applications of nanocomposites in sensing.

Guest Editor

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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