

Special Issue

Nanomaterials for Sensing Application

Message from the Guest Editor

Functional semiconductors with attractive electronic and photoelectric properties show great promise in various fields. In recent decades, tremendous research efforts have been devoted to the design of photoactive and electroactive semiconductors or its composite for qualitative and quantitative analysis applications. This Special Issue is interested in the preparation, surface modification, and functionalization of semiconductors and their related composites for the sensing of healthy, environmental, and bio-related areas. The Special Issue aims to showcase the most recent advances in the applications of semiconductors with a focus on their application, including but not limited to sensors, labeling, imaging, and therapeutic applications in biomedicine.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

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