

## Special Issue

# Applications of Nanomaterials in Optical Sensors

### Message from the Guest Editor

Nanomaterials have revolutionized the field of optical sensing, offering unique properties and promising applications. Combining nanomaterials like graphene, carbon nanotubes, metallic nanoparticles, and quantum dots with modern sensing techniques has opened up new avenues in sensing. Surface-enhanced Raman spectroscopy, surface plasmon resonance, photonic crystals, and optofluidics are just a few examples of the exciting developments in this area. To foster further progress, we invite you to contribute your valuable work to our Special Issue on "Applications of Nanomaterials in Optical Sensors." We welcome full papers, communications, and reviews covering topics such as nanomaterial-integrated optical sensors, novel SERS structures, photonic crystal sensors, and other emerging sensing mechanisms. Join us in exploring the latest advancements in nanomaterial-based optical sensors.

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### Guest Editor

Dr. Xinlei Zhou

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### Deadline for manuscript submissions

closed (20 November 2023)



## Nanomaterials

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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### Editor-in-Chief

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