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Optical Nanomaterials for Diagnosis and Therapy

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Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to provide a forum for communication among scientists in the fields of nanomaterials science, photochemistry-photophysics-photobiology, nanobiophotonics, and nano-theranostics. Fluorescence, phosphorescence, bioluminescence, and electrochemical luminescence techniques will be discussed in this Special Issue. The development of next-generation optical nanomaterials, such as polymer, metal-organic frameworks and inorganic nanoparticles are within the scope. Studies on the cutting-edge nanomaterial preparations, innovative methodologies on surface chemistry, unique mechanisms of the nano-bio interface, and relevant diagnostic and therapeutic applications will also be included. The applications of optical materials in various research areas, such as biosensing, bioimaging, drug/gene/protein delivery, phototherapy, etc., will be further discussed.



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Special Issue



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Editor-in-Chief

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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.

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