Special Issue

Photonics and Optoelectronics with Functional Nanomaterials

Message from the Guest Editors

Our Special Issue with emphasis on Photonics and Optoelectronics aims at bringing together scholars contributing to advanced research on nanomaterials with these application potentials in mind. It is about content impactful for instance in the domains of light generation and detection, energy harvesting, information technologies, as well as modern optics-oriented concepts in physics. Innovative and original articles and reviews targeting ongoing challenges in photonics- and optoelectronics-related research are sought. Nanomaterials research is highly multidisciplinary and 'multidimensional' in terms of scope and application potentials. As collaborating guest editors in the sphere of functional nanomaterials sciences, we encourage submission of works both with international cooperation background as well as individual authors. The topic lends itself to bridging academia and industry, as nanomaterials have long successfully entered the stage of industrial applications, such as sensing or photovoltaics, display or communication technologies, as well as optics for different frequency bands, to name but a few.

Guest Editors

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Deadline for manuscript submissions

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

Editor-in-Chief

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