Special Issue

Nanophotonics: Lasers, Gratings and Localized Surface Plasmons

Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue with the latest progress in the field, including fundamental research and applications of lasers, gratings, and localized surface plasmons. You are welcome to submit your original research or comprehensive review articles covering the Special Issue topics. Research areas may include (but are not limited to) the following:

- Single-photon sources
- Quantum-cascade lasers and applications
- Tunable single-frequency laser diodes
- Fiber-optic gratings and applications
- Ultra-fast photonics
- Nanoscale plasmon lasers
- Localized surface plasmons resonance sensors and other applications
- Nanoheterostructures for lasers and applications

We look forward to receiving your contributions.

Guest Editors

Dr. Grigorii Sokolovskii
Ioffe Institute, 26 Polytechnicheskaya str, 194021 St Petersburg, Russia
Dr. Vladislav V. Dudelev
Ioffe Institute, 26 Polytechnicheskaya str, 194021 St Petersburg, Russia

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Nanomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nanomaterials@mdpi.com

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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

Prof. Dr. Eugenia Valsami-Jones
School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

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