Special Issue

Advances in Optical Nanomanipulation

Message from the Guest Editors

The present Special Issue of *Nanomaterials* aims to collate comprehensive research articles, communications, and review papers that focus on the development of advanced optical manipulation techniques to transcend the boundary between materials science and nanophotonics. In this Special Issue, research areas may include (but not limited to) the following:

- The optical manipulation of single nanoparticles with structured light;
- Light-guided self-assembly of nanoparticles;
- Design and synthesis of novel functional photonics materials for nanometric optical tweezers;
- Advanced beam shaping;
- Optical spectroscopy and analysis.

We look forward to receiving your contributions.

Guest Editors

Prof. Dr. Fan Nan

Institute of Nanophotonics, Jinan University, Guangzhou 511443, China

Dr. Ziqiang Cheng

Department of Applied Physics, School of Science, East China Jiaotong University, Nanchang 330013, China

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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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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

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

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