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# Laser Printing of Nanophotonic Structures

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Deadline for manuscript submissions:
**closed (10 June 2021)**

## Message from the Guest Editors

Considering extremely fast evolution of laser-based nanofabrication techniques, the proposed Special Issue of Nanomaterials aims at collecting papers covering fundamental and practical aspects of laser-assisted nanofabrication of various functional nanostructures and nanotextured surfaces. Along with surveying state-of-the-art laser-assisted nanofabrication techniques this issue also intends to provide a special emphasis on the optical and nonlinear optical properties of the fabricated nanostructures and their arrangements as well as relevant applications. Such applications may include (but not limited to) advanced nano-, bio- and chemo-sensors, ultrafast nanoscale devices, metasurfaces for wavefront manipulation, structural color generation, micro-optics for vis-IR-THz spectral ranges, lasing from microscale resonant structures, solar cell, catalysis, etc.

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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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