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Laser Synthesis and Processing of Nanostructured Materials

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Deadline for manuscript submissions:

closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue will focus on the fabrication of nanotextured surfaces and nanomaterials using common laser-fabrication technologies, including, but not limited to, direct laser nanopatterning, laser-induced periodic surface structuring, laser ablation/fragmentation in liquids, and laser-induced deposition. Special attention will be given to common and emerging applications as well as devices realized using nanostructures produced by the mentioned laser technologies.

To sum up, this Special Issue welcomes original and review contributions highlighting the recent trend in the fabrication and application of functional nanostructures, nanomaterials and nanotextured surfaces using laser radiation.

See more information at <https://mdpi.com/si/119827>. We look forward to receiving your contributions.

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Guest Editors



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Special Issue



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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.

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