Special Issue

Femtosecond Laser Fabrication of Micro/Nanostructures and Applications (Second Edition)

Message from the Guest Editors

It is my pleasure to announce the launch of a new Special Issue of the journal Nanomaterials entitled "Femtosecond Laser Fabrication of Micro/Nanostructures and Applications (Second Edition)". As , I cordially invite you to submit a manuscript for consideration and possible publication in this Special Issue. During the last two decades, femtosecond laser fabrication techniques shown versatility in processing a variety of one-, two- and three-dimensional micro- and nanostructures with a broad spectrum of materials, due to the unique features of ultrahigh peak power and ultrashort duration of femtosecond laser pulses. This Special Issue is devoted to recent advances in femtosecond laser fabrication of micro/nanostructured particles, surfaces and devices using various soft and hard materials. The topics include relevant aspects of micro- and nanostructures fabricated by femtosecond laser-based techniques, such as femtosecond laser direct writing, laser ablation, laser pattering, laser deposition, etc., and their applications in areas such as optics and photonics, spectroscopy, electronics, and biomimetic. This Special Issue welcomes original and review contributions.

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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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