

Special Issue

Laser-Based Manufacturing of Nanostructures

Message from the Guest Editor

The present Special Issue of *Nanomaterials* aims to present the current state of the art in the laser-based manufacturing of nanostructures. This rapidly evolving field includes fundamental studies of laser-matter interactions, as well as application-driven developments in device fabrication and functional materials. We welcome the submission of works exploring experimental advances, theoretical insights, hybrid techniques, and applications in energy, catalysis, and the optoelectronics sector, in order to provide a comprehensive view of the latest progress. We invite leading groups and emerging researchers in the field to contribute, with the aim of providing a balanced and up-to-date overview of the advances in laser-based manufacturing of nanostructures and their impact on nanotechnology.

Guest Editor

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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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