



Laser Synthesis of Nanomaterials

Guest Editors:

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Message from the Guest Editors

Dear Colleagues,

Nanomaterials are one of the main topics of research at present. These materials, with at least one of their dimensions in the nanoscale (i.e., in a length range from 1 nm to 100 nm) have remarkable or unconventional properties compared to bulk materials. These materials are currently used in many applications; however, new potential uses are being investigated. In this sense, there is a large interest in their use in medicine, electronic devices, production and storage of energy, composite materials, etc. The production of nanomaterials is addressed through physical and/or chemical methods; however, most of these methods exhibit low reproducibility or a low production rate or make use of toxic chemicals. In order to avoid most of these drawbacks, laser-based synthesis of nanomaterials has emerged as an alternative to overcome these limitations. This family of methods uses a laser beam to produce different nanomaterials (e.g., nanoparticles, nanowires or 2D materials) using diverse approaches...

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/nanomaterials/special_issues/las

Guest Editors





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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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