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## Trends and Prospects in Laser Nanofabrication

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Deadline for manuscript  
submissions:

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### Message from the Guest Editors

Dear Colleagues,

To date, laser-derived technology, including laser melting, laser fragmentation, laser ablation, pulse laser deposition, etc., has been deemed as one outstanding and unique strategy for fabricating functional nanostructures and preparing advanced nanomaterials. In comparison to general chemical methods, advanced nanomaterials produced via laser fabrication present unique advantages, including rapid processing, controllability, having few chemical reagents, being applicable on a large scale, and being limitless in materials or media.

Submission potential topics include, but are not limited to, the following:

- Pulse laser deposition in A vacuum or gas atmosphere;
- Laser fabrication (ablation, fragmentation, melting) in liquids;
- Laser processing of metals, carbon materials, polymers, ceramics, etc.;
- Interaction process of lasers and matters (solid/liquid/gas);
- Applications in energy storage and conversion, catalysis, biomedical, bionics, etc.;
- Generation mechanisms of nanomaterials or nanostructures

See more information in: <https://www.mdpi.com/si/205616>

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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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