



Laser Ablation Process and Mechanism of Advanced Materials Processing

Guest Editor:

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Message from the Guest Editor

This Special Issue focuses on the advanced laser processing of materials, using new non-standard approaches in the choice of media and laser exposure modes.

The topics of interest include, but are not limited to:

New approaches to the laser ablation of materials in non-standard media (supercritical fluids, solid-state dielectrics, etc.);

Formation of composite nanomaterials under laser exposure;

Study of the mechanisms of formation of structures of various scales on the surface of materials during laser ablation in various media;

Time-resolved studies of laser ablation processes in non-standard media;

Carrying out the processes of the ablation of various materials using new laser sources, including the far-IR range.

This Special Issue aims to publish papers discussing recent trends in laser ablation processes, primarily using non-standard combinations of materials and laser treatment methods, as well as those identifying new mechanisms of laser action on materials.





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Editor-in-Chief

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Message from the Editor-in-Chief

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