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Advances in Laser Processing Technology of Materials

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Message from the Guest Editor

Dear Colleagues,

This Special Issue invites potential authors to contribute articles and reviews that encompass the broad spectrum of laser–material interactions and the applications of laser technologies. Contributions dealing with laser processing of dielectrics, ceramics, and biomaterials are especially welcome. Authors are encouraged to submit research articles that advance our understanding of the underlying physics, chemistry, and mechanics of laser–material interactions, either through new models or extensive simulations. These articles may explore topics from the most conventional applications such as laser ablation, welding, and surface modification to the most recent ones, such as additive manufacturing, the synthesis of nanomaterials, micro- and nano-manufacturing, and more. Additionally, we welcome reviews that synthesize existing knowledge in laser processing technology, offering valuable perspectives on the current state of the field and potential future directions.

By fostering collaboration and knowledge exchange, it aims to contribute to the ongoing progress of laser processing technology.



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Special Issue



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Message from the Editor-in-Chief

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