

Special Issue

Advances in Laser Processing Technology of Materials

Message from the Guest Editor

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.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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