

Special Issue

Laser Ablation: From Fundamental Science to Applications

Message from the Guest Editor

Laser ablation has been an active research field for some time, resulting not only in an improved understanding of the underpinning physics but, importantly, also in the development of multiple applications in a wide range of fields, from engineering to physics and from chemistry to biology and medicine. This Special Issue intends to display the highlights from this broad research field to a multidisciplinary audience by presenting some of the recent advances. Both original research papers and review articles describing state-of-the-art innovations in this research field are welcome. Topics of interest include but are not limited to the following areas:

- Fundamentals of laser-material interactions (solid, liquid, and gas)
- Laser-induced breakdown spectroscopy
- Laser surgery, laser scalpels
- Pulsed laser deposition
- Laser cutting, engraving, cleaning
- Ultrafast laser ablation
- Laser printing, 3D printing, laser-induced forward transfer
- Laser-based photon sources
- Matrix-assisted laser desorption/ionization mass spectrometry
- Surface micro/nanostructuring

Guest Editor

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Deadline for manuscript submissions

closed (15 September 2022)



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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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