

Special Issue

Progress on Laser Plasma Interaction

Message from the Guest Editors

We are inviting submissions to the Special Issue on “Progress on Laser Plasma Interaction”. Progress in laser technology has made a strong impact on the field of laser–plasma interaction. The physics of laser–plasma interaction is of fundamental importance for broad applications of intense laser pulses. Further, laser–plasma interactions cover the fundamental aspects of high-power laser plasma physics, including studies of the interaction of laser radiation with matter under extreme conditions, inertial confinement fusion research, laser plasma particles, and radiation sources (laser plasma accelerators, coherent light sources in x-ray and extreme ultraviolet, generation of femtosecond and attosecond radiation pulses, etc.). Topics of interest generally include (but are not limited to):

- High-intensity laser and strong field physics;
- Ultrafast laser and application;
- Laser-produced plasmas;
- Laser plasma acceleration and other secondary particle generation;
- New radiation mechanisms and radiation sources (THz, X and gamma rays, etc);
- Magnetised plasmas, magnetic reconnection, inertial confinement fusion;
- X-ray, plasma and laser diagnostics.

Guest Editors

Prof. Dr. Jianxing Li

School of Physics, Xi'an Jiaotong University, Xi'an 710049, China

Prof. Dr. Ye Tian

State Key Laboratory of High Field Laser Physics and CAS Center for Excellence in Ultra-intense Laser Science, Shanghai Institute of Optics and Fine Mechanics, Shanghai 201800, China

Deadline for manuscript submissions

closed (30 December 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/101203

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)