



New Frontiers and Trends in Laser–Matter Interaction

Guest Editor:

Prof. Dr. Nadjib Semmar

UMR7344, CNRS/Université
d'Orléans, 14 rue d'Issoudun, BP
6744, 45067 Orléans, CEDEX 2,
France

Deadline for manuscript
submissions:

closed (31 January 2021)

Message from the Guest Editor

Dear Colleagues,

This Special Issue will cover all new advances in laser–matter interaction coupled with recent applications of emerging materials. All contributions on laser interaction with hard, soft, and smart materials, targeting future applications from nano-energy to biomedicine as well as recent progress on fundamental mechanisms are welcome to the special issue.

- Lasers in nanotechnology and environmental technology;
- Laser hybrid processing;
- Laser manufacturing for alternative energy sources;
- Laser 3D micro-structuring for MEMS, MOEMS, photonic crystals, and photonic applications;
- Laser-induced forward transfer of functional materials for organic electronics and sensing applications;
- Laser-assisted fabrication for sensors (biological, chemical, and environmental);
- Laser processing of materials ;
- Time-resolved diagnostics for laser processing; multiphoton-based processing techniques;
- Laser process monitoring and control, laser processing of biological materials.





an Open Access Journal by MDPI

Editor-in-Chief

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

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.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)