



Advances in New Laser Devices and Technologies

Guest Editors:

Prof. Dr. Everardo Vargas-Rodriguez

Departamento de Estudios Multidisciplinarios, Universidad de Guanajuato, Yuriria 38940, Mexico

Prof. Dr. Ana Dinora Guzman-Chavez

Departamento de Estudios Multidisciplinarios, Universidad de Guanajuato, Yuriria 38940, Mexico

Deadline for manuscript submissions:

closed (28 February 2023)

Message from the Guest Editors

This Special Issue is intended to provide a multidisciplinary forum where researchers and engineers can present their recent advances in the modelling, design and fabrication of laser devices. Additionally, this forum is open to presenting theoretical designs and experimental results of laser sensors. Additionally, in this Special Issue, we welcome works in the field of laser devices stabilization (e.g., intelligent current and temperature drivers, mechatronics actuators).

Topics include, but are not limited to, the following domains:

- Laser physics;
- Microfabrication of laser devices;
- Power lasers;
- Fiber optic lasers;
- Solid-state lasers;
- Pulsed and continuous-wave lasers;
- Unconventional cavity lasers;
- Quantum properties of laser light;
- Design and implementation of laser sensors;
- Current drivers for solid-state lasers;
- Temperature drivers for laser applications.





an Open Access Journal by MDPI

Editor-in-Chief

**Prof. Dr. Antonio J. Marques
Cardoso**

CISE—Electromechatronic
Systems Research Centre,
University of Beira Interior,
Calçada Fonte do Lameiro, P-
6201-001 Covilhã, Portugal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Mechanical*)

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2023).

Contact Us

Machines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/machines
machines@mdpi.com
[X@Machines_MDPI](https://twitter.com/Machines_MDPI)