Special Issue

Recent Advancements in Tunable Laser Technology

Message from the Guest Editor

Tunable laser technology has advanced significantly, providing versatile light sources with adjustable wavelengths. These lasers are integral to telecommunications, enabling high-speed data transmission through wavelength-division multiplexing. In spectroscopy, they facilitate precise measurements of molecular absorption spectra for chemical analysis. Additionally, tunable lasers play crucial roles in material processing, offering control in laser ablation and micro-structuring. In medical diagnostics, they enable non-invasive imaging modalities like optical coherence tomography for detailed tissue imaging. This Special Issue on 'Recent Advancements in Tunable Laser Technology' invites submissions of basic, methodological, and cutting-edge research, including regular and review papers, contributing to the following:

- Creation and validation of single or multiple spectroscopic instruments for diverse applications.
- Innovation in materials for generating tunable laser technology.
- Advancements in multispectral lasers and methods for scalability.
- Validation of methods and tools utilized or developed for tunable laser technology applications.
- Review of current status.

Guest Editor

Dr. Dário Machado Garcia
Centro de Física e Investigação Tecnológica, Universidade NOVA de Lisboa, Lisbon, Portugal

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

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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.

Editor-in-Chief

Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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