



an Open Access Journal by MDPI

Exploring Cutting-Edge Technologies and Applications of Optics and Photonics

Guest Editors:

Prof. Dr. Francesco Prudenzano

Department of Electrical Engineering and Information, Entries Polytechnic University of Bari, Via Orabona, 4-70125 Bari, Italy

Prof. Dr. Huabei Jiang

Department of Medical Engineering, University of South Florida, Tampa, FL 33620, USA

Dr. Maurizio Ferrari

IFN-CNR, CSMFO Laboratory and FBK Photonics Unit, Via alla Cascata 56/C, Povo, 38123 Trento, Italy

Deadline for manuscript submissions:

closed (31 August 2025)

Message from the Guest Editors

Dear Colleagues,

This Special Issue is related to the conference “The 1st International Online Conference on Photonics (IOCP 2024)”, which will be held from 14 to 16 October 2024 (<https://sciforum.net/event/IOCP2024>). This e-conference will be hosted on sciforum.net, an online platform developed by MDPI for scholarly exchange and collaboration.

During the event, a large number of excellent contributions covering key areas of opportunity and challenge will be presented. More specifically, the following areas will be covered:

- Biophotonics and biomedical optics;
- Optical communication and networks;
- Optoelectronics and optical materials;
- Lasers, light sources, and sensors;
- Optical interaction science;
- Quantum photonics and technologies;
- Data-science-based techniques in photonics;
- New applications enabled by photonics technologies and systems.

IOCP 2024 participants, as well as all researchers working in the field, are invited to contribute original research papers or reviews to this Special Issue of *Photonics*.

We look forward to receiving your contributions.

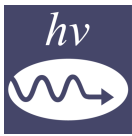
Prof. Dr. Francesco Prudenzano
Prof. Dr. Huabei Jiang

Dr. Maurizio Ferrari



mdpi.com/si/202876

Special Issue



photonics



an Open Access
Journal by MDPI

Editor-in-Chief

Prof. Dr. Nelson Tansu

School of Electrical and
Electronic Engineering (EEE), The
University of Adelaide, Adelaide,
SA 5005, Australia

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, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q2 (Instrumentation)

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

Contact Us

Photonics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/photonics
photonics@mdpi.com
X@Photonics_MDPI