

# Special Issue

## Exploring Cutting-Edge Technologies and Applications of Optics and Photonics

### Message from the Guest Editors

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.

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### Guest Editors

Prof. Dr. Francesco Prudenzano

Prof. Dr. Huabei Jiang

Dr. Maurizio Ferrari

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### Deadline for manuscript submissions

31 August 2025



## Photonics

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Nelson Tansu

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