

Special Issue

Exploring Cutting-Edge Technologies and Applications of Photonics and Optics, 2nd Edition

Message from the Guest Editors

This Special Issue is related to the conference “The 2nd International Online Conference on Photonics (IOCP 2026)”, which will be held from 14 to 16 December 2026.

The 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:

Quantum Photonics and Technologies;

Lasers and Their Applications;

Optical Communication and Network;

Optoelectronics and Optical Materials;

Nonlinear Optics and Photonics;

New Applications Enabled by Photonics Technologies and Systems;

Biophotonics and Biomedical Optics. IOCP 2026

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

Submitted contributions will be subjected to peer review and—upon acceptance—will be published, with the aim of rapidly and widely disseminating research results, developments, and applications.

Guest Editors

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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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