

Special Issue

Advances and Applications in Nanophotonics

Message from the Guest Editors

Nanophotonics, a key interdisciplinary field integrating nanotechnology and photonics, enables precise nanoscale light manipulation and drives breakthroughs in next-generation information systems, high-speed optical communication, and integrated photonic technologies. This Special Issue aims to present recent advances in nanophotonics, with emphasis on the control, conversion, and integration of optical and electromagnetic waves at micro- and nanoscale dimensions. Particular attention will be given to nonlinear frequency conversion, integrated photonic devices, thin-film electro-optic platforms, metamaterials and metasurfaces, dielectric waveguides, microresonators, and related light-matter interaction phenomena. We welcome original research articles and reviews addressing novel materials, physical mechanisms, device architectures, fabrication strategies, performance optimization, and emerging applications across the visible, near-infrared, mid-infrared, terahertz, and microwave spectral regions.

Guest Editors

Dr. Xiaosong Lu
Prof. Dr. Congliao Yan
Prof. Dr. Song Zhu

Deadline for manuscript submissions

5 April 2027



Photonics

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 3.9



mdpi.com/si/287468

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

[mdpi.com/journal/
photonics](https://mdpi.com/journal/photonics)





Photonics

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 3.9



[mdpi.com/journal/
photonics](https://mdpi.com/journal/photonics)



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.

Editor-in-Chief

Prof. Dr. Nelson Tansu

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Instrumentation)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 13.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2026).