

Special Issue

Photonic Crystals: Physics and Devices, 2nd Edition

Message from the Guest Editors

This Special Issue aims to present original state-of-the-art articles on physics and devices in photonic crystals and other classes of periodic nanostructures. Topics of interest include, but are not limited to, the following:

- Photonic band gaps in photonic crystals;
- Resonances in photonic crystals, metamaterials, metasurfaces, and subwavelength gratings;
- Bound states in the continuum in photonic crystals, metamaterials, metasurfaces, and subwavelength gratings;
- Topological properties in photonic crystals, metamaterials, metasurfaces, and subwavelength gratings;
- Strong coupling in photonic crystals, metamaterials, and metasurfaces;
- Goos-Hänchen shift and photonic spin Hall effect in photonic crystals;
- Polaritons in photonic crystals;
- Nonlinear and quantum effects in photonic crystals;
- Photonic crystals containing two-dimensional materials, superconducting materials, phase-change materials, or metamaterials;
- Novel optical phenomena in photonic crystals;
- Devices based on photonic crystals;
- Physics and devices in other classes of periodic nanostructures, such as metamaterials, metasurfaces, and subwavelength gratings.

Guest Editors

Dr. Feng Wu

School of Optoelectronic Engineering, Guangdong Polytechnic Normal University, Guangzhou 510665, China

Dr. Shuyuan Xiao

Institute for Advanced Study, Nanchang University, Nanchang 330031, China

Deadline for manuscript submissions

10 October 2025



Photonics

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



mdpi.com/si/209737

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 1.9
CiteScore 3.5



[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, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Instrumentation)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).