

Special Issue

Infrared Optoelectronic Materials and Devices

Message from the Guest Editor

This Special Issue aims to demonstrate state-of-the-art academic research achievements on fundamental theories, models, and experimental results for the development of infrared optoelectronic materials and devices and their real-world applications. Researchers are invited to submit their articles to a broad range of topics, including, but not limited to, the following:

- Infrared optoelectronic materials' growth and characterization;
- Novel devices based on low-dimensional structures and new materials;
- Nonlinear infrared technologies;
- Infrared lasers;
- Infrared emitters, modulators, and detectors;
- Infrared integrated photonics;
- Infrared metamaterials and metasurfaces;
- Infrared optical fibers;
- Infrared sensing;
- Infrared thermal imaging.

Guest Editor

Dr. Lihua Ye

Key Laboratory of Environmental Medicine Engineering, Ministry of Education, School of Public Health, Southeast University, Nanjing, China

Deadline for manuscript submissions

closed (31 August 2025)



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

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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.

Editor-in-Chief

Prof. Dr. Nelson Tansu

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

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