Special Issue

Optical Innovations in Biomedical Sensing and Imaging

Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue to highlight cutting-edge research and advancements in the biomedical application of optical technologies. To further enhance the impact of this exciting and rapidly evolving field, this Special Issue aims to gather contributions from leading researchers, scientists, and practitioners. We seek to foster effective solutions that incorporate novel optical methods, devices, and systems designed to advance biomedical sensing and imaging. In this Special Issue, original research articles, perspectives, and reviews are all welcome. Research areas may include (but are not limited to): optical technologies and methods for medical diagnostics; biomedical spectroscopy; advances in biomedical imaging; multi-modal imaging; optics in cell and molecular biology; optics in tissue imaging; wearable optical devices for continuous health monitoring; optical techniques in personalized medicine and targeted therapies.

Guest Editors

Dr. Jeong Hee Kim

Department of Mechanical Engineering, College of Engineering, Iowa State University, Ames, IA, USA

Dr. Yanmin Zhu

Department of Electrical and Electronic Engineering, The University of Hong Kong, Hong Kong, China

Deadline for manuscript submissions

10 February 2026



Photonics

an Open Access Journal by MDPI

Impact Factor 1.9 CiteScore 3.5



mdpi.com/si/241727

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

mdpi.com/journal/photonics





Photonics

an Open Access Journal by MDPI

Impact Factor 1.9 CiteScore 3.5



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 peerreviewed 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).

