

Special Issue

Advanced Technologies in Biophotonics and Medical Physics

Message from the Guest Editors

In recent years, an increasing number of optical techniques have been applied in the field of biophotonics and medical physics, playing a significant role in both biomedical research and clinical diagnosis. Optical technology such as photoacoustic imaging and optical coherent tomography provide high-contrast and high-resolution images directly linked to the diagnosis. Radiation-induced ultrasound imaging such as X-ray-induced acoustic computed tomography has important application prospects for low-dose clinical detection. We would like to receive manuscripts or review articles on the latest research progress in this field, highlighting the recent advances in biophotonics and medical physics. We believe your work will greatly benefit our readers and make a great contribution to the development in this field. Keywords

- photoacoustic imaging and spectroscopy
- optical coherent tomography
- laser-induced breakdown spectroscopy
- biomedical optics and biophotonics
- X-ray-induced acoustic computed tomography
- radiation-induced ultrasound imaging
- biological and medical physics
- basic research and translational research.

Guest Editors

Dr. Yue Zhao

Dr. Haigang Ma

Dr. Yujiao Shi

Deadline for manuscript submissions

20 June 2025



Photonics

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 2.6



mdpi.com/si/201792

Photonics

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 2.6



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



About the Journal

Message from the Editor-in-Chief

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,
CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Optics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 14.9 days after
submission; acceptance to publication is undertaken in 1.9
days (median values for papers published in this journal in
the second half of 2024).