

Special Issue

Biophotonics Imaging and Therapy: Advances, Applications, and Perspectives toward Translation and Clinics

Message from the Guest Editors

Light is almost an ideal mechanism to probe and treat biological tissues. It is safe, nonionizing, noncarcinogenic, and it interacts with tissue directly at molecular levels, allowing for functional, metabolic, and molecular imaging at very early stage of diseases. Moreover, light can be used for controlled therapy, activation, and manipulation. Although light experiences strong scattering at depths in tissue, which causes primary trade-off between spatial resolution and penetration depth, researchers in the field have proposed many approaches to tackle this challenge from different perspectives. In recent decades, exciting achievements have been accomplished in biophotonics, which has greatly advanced or even reshaped the landscape of biomedical imaging and therapy, enabling many applications that were otherwise impossible. This Special Issue plans to focus on recent advancement and applications of optical imaging and therapy technologies toward translation and clinics. Fundamental research to tackle existing technical limitations and perspectives of future development is also welcome.

Guest Editors

Dr. Puxiang Lai

Prof. Dr. Liming Nie

Prof. Dr. Junle Qu

Deadline for manuscript submissions

closed (1 October 2022)



Photonics

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 2.6



mdpi.com/si/98454

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 14.8 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 2024).