

Special Issue

Biomedical Optics Imaging, Sensing and Therapy

Message from the Guest Editors

We are aiming at cutting-edge optical and optical-based hybrid imaging systems and image reconstruction algorithms to exploit the interactions of light with biological tissues in vivo and in vitro. This is a multidisciplinary field combining physics, biology, medicine, and computer science to characterize and analyze the optical properties of biological tissues on subcellular, cellular, and tissue scales and their changes related to metabolism and functional information. The ultimate goal is to advance related disease diagnosis and therapy patterns, benefit potential treatment outcomes, and/or develop an in-depth understanding of the biological processes. This Special Issue on “Biomedical Optics Imaging, Sensing and Therapy” will welcome comprehensive research directions.

Guest Editors

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Dr. Xu Cao

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Deadline for manuscript submissions

closed (20 April 2025)



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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.

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