Special Issue

Light-Based Technologies in Biophotonics

Message from the Guest Editors

Biophotonics utilizes light-based technologies to explore and understand complex biological systems across various scales, ranging from molecular to macroscopic levels. Recent advancements in biophotonics techniques, coupled with computational and data-driven approaches, have significantly enhanced our ability to investigate physiological processes, tissue structures, and disease mechanisms.

This Special Issue invites original research articles that push the boundaries of light-based technologies in biophotonics, contributing to cutting-edge developments in the field. We welcome submissions on a broad range of topics, including, but not limited to, the following:

- **Advanced optical systems and applications**
- **Computational modeling and numerical methods**
- **Data-driven techniques**
- **Spectroscopic imaging**
- **Optical tomographic imaging**

We invite submissions from researchers in all fields who are committed to advancing biophotonics through the use of light-based technologies. Your contributions will enhance the scientific community and motivate future innovations in this dynamic area.

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Deadline for manuscript submissions

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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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