Special Issue

Advances in Biophotonics

Message from the Guest Editors

Biophotonics is a combination of biology and photonics, with photonics being the science and technology dedicated to the generation, manipulation, and detection of photons. It involves the development and application of optical techniques, particularly imaging, for the study of biological molecules, cells, and tissue. Nowadays, biophotonics is an interdisciplinary field involving the interaction between photons and biological materials including tissues, cells, sub-cellular structures, and molecules. The objective of this Special Issue is to provide a vehicle for communicating important advancements in the use of optical methods/technologies for medical imaging and therapies. For this Special Issue, the topics of interest include, but are not limited to:

- Optical imaging;
- Terahertz imaging;
- Optical coherence tomography;
- Near-infrared spectroscopy;
- Photoacoustic/thermoacoustic tomography and microscopy;
- Photobiomodulation;
- Photodynamic therapy;
- Photoimmunotherapy;
- Deep learning and artificial intelligence in optical imaging;
- Translational and clinical applications.

Guest Editors

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Deadline for manuscript submissions

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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 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.

Editor-in-Chief

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