Special Issue

New Trends in Photoacoustic Imaging

Message from the Guest Editors

Photoacoustic imaging is a hybrid imaging modality combining rich optical contrast with high spatial resolution and deep tissue penetration of ultrasound imaging. This Special Issue aims to highlight new trends in photoacoustic imaging, including technical advancements and potential applications in life science/clinics. For this Special Issue, the topics of interest include, but are not limited to:

- Quantitative photoacoustic imaging;
- Deep learning algorithms in photoacoustic imaging;
- Real-time photoacoustic imaging;
- The enhancement of spatial resolution and/or depth penetration in photoacoustic imaging;
- Imaging contrast for photoacoustic imaging;
- Photoacoustic imaging in arthritis detection;
- Photoacoustic imaging in cancer detection;
- Photoacoustic imaging in nanomedicine;
- Photoacoustic imaging in image-guided therapy.

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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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