Special Issue

Photoacoustic Imaging and Its Biomedical Applications

Message from the Guest Editors

The aim of this Special Issue is to publish original research and reviews within the photoacoustic/optoacoustic imaging and relevant fields, presenting the current state-of-art development in all aspects of photoacoustic imaging. The list of topics of interest includes (but is not limited to) the following:

- Technical innovations in photoacoustic tomography, mesoscopy, microscopy, and nanoscopy;
- Contrast agents, molecular probes, and nanotechnologies;
- Functional and molecular imaging and sensing;
- Preclinical/clinical imaging and applications, clinical translation;
- Advanced signal processing, filtering, image processing and imaging reconstruction algorithms including deep learning;
- Multi-modality systems, biomedical and clinical applications involving acoustics and optics;
- Microwave and X-ray induced ultrasound imaging and sensing;
- Laser ultrasound technologies;
- Novel light delivery and ultrasound sensing technologies;
- Interactions with cells and tissues.

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Deadline for manuscript submissions

closed (1 December 2023)

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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.

Editor-in-Chief

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