# Special Issue

# Photoacoustic Imaging

### Message from the Guest Editor

This Special Issue aims at presenting original state-of-the-art research articles on almost all aspects of photoacoustic imaging. However, studies mainly about the synthesis and characterization of photoacoustic contrast agents, with only marginal relation with photoacoustic imaging, are out of the scope of this issue. Topics include, but are not limited to:

- Tomography and deep-tissue imaging;
- Photoacoustic microscopy;
- Contrast agents, molecular probes, and nanoparticles;
- Pre-clinical imaging, clinical translation, and clinical applications;
- Multi-modality systems involving light and sound;
- Microwave induced ultrasound imaging and sensing;
- Laser ultrasound methods and applications;
- Physics and modeling of photoacoustic generation, propagation and detection;
- Advanced photoacoustic and ultrasound signal processing and analysis;
- Image reconstruction algorithms including deep learning;
- Novel lasers and light delivery technologies for the generation and detection of ultrasound;
- Spectroscopy and analysis of compounds.

### Guest Editor

Prof. Dr. Bo Wang
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### Deadline for manuscript submissions

closed (30 September 2022)

*Photonics*

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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

Prof. Dr. Nelson Tansu
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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2025).