

Special Issue

Photoacoustic Effects for Biomedical Imaging and Diagnostics

Message from the Guest Editors

Discount Paper Invitation to Contribute to Special Issue Titled “[Photoacoustic Effects for Biomedical Imaging and Diagnostics](#)” The scope of this Special Issue is on research and clinical work demonstrating the application of the photoacoustic effect for biomedical imaging and diagnostics. The areas of interest include but are not limited to:

- Photoacoustic imaging techniques including tomography, microscopy, and nanoscopy;
- Photoacoustic instrumentation design and software development;
- Photoacoustic imaging co-registration with other modalities, such as optical coherence tomography (OCT), ultrasound, and MRI;
- Photoacoustic guided surgery;
- Photoacoustic image reconstruction algorithms;
- Photoacoustic signal and image processing;
- Application of machine and deep learning in photoacoustic imaging;
- Contrast agents and nanoparticles for enhanced imaging;
- Multispectral/spectroscopic photoacoustic imaging;
- Biological tissue characterization using the photoacoustic effect;
- Novel light sources for photoacoustic applications;
- Novel photoacoustic detectors and receivers.

Guest Editors

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Deadline for manuscript submissions

closed (12 October 2021)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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