Special Issue

Advanced Ultrasound Technology for Medical Application

Message from the Guest Editors

Ultrasound technology has been extensively applied to the medical field in recent decades. And new advances in transducer technology, signal processing and contrast agents as well as the use of combined technologies, such as photoacoustics or magneto-motive ultrasound, and the discovery of the possibility of applying ultrasound to neuromodulation or immunotherapy open new areas for the use of ultrasound in medical application. This Special Issue calls for high-quality unpublished research works related to the use of advanced ultrasound technology for medical application. Potential topics include, but are not limited to, the following:

- Ultrasound imaging
- Focused ultrasound
- Elastography
- Photoacoustic
- Magneto-motive ultrasound
- Theranostics
- Tissue characterization
- Transcranial propagation
- Medical signal processing
- Contrast agents
- Biomedical transducers

Keywords: ultrasound imaging; ultrasound therapy; elastography; photoacoustics; transcranial propagation; magneto-motive ultrasound; contrast agents

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Deadline for manuscript submissions

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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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