

Special Issue

Ultrasonic Sensors for Biomedical Applications

Message from the Guest Editors

The current era has seen significant advances and great progresses in the field of ultrasonic sensors and its applications. This Special Issue aims to publish original manuscripts and the latest research regarding various ultrasonic sensors that are used for the conversion between acoustic energy and the other formats (i.e., electrical, optical, thermal energy). Towards this goal, we welcome submissions describing new cutting-edge sensors fabrication and biomedical measurement that address existing problems in the biomedical and healthcare fields. Topics of interest include, but are not limited to, the following:

- Ultrasound transducer for imaging, therapy, biological substance manipulation, etc.;
- Ultrasound sensors for healthcare, including wearable and IoT designs;
- Acoustophoresis device for cell and biological substance separation and mixing;
- SAW/BAW/MEMS ultrasonic sensors;
- Fiber-laser-based ultrasound sensors;
- Ultrasonic networking of intra-body devices;
- Ultrasound-powered micro-/nanorobots.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2023)



Sensors

an Open Access Journal
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Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/123237

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About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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