

Special Issue

Ultrasonic Systems for Biomedical Sensing

Message from the Guest Editor

This Special Issue aims to bring together recent studies on new ultrasound imaging and sensing systems, ultrasound-based multimodal systems, mobile ultrasound systems, ultrasound transducers, and their applications in medicine and biology. Papers addressing a wide range of ultrasound sensing and imaging innovations are sought, including, but not limited to, recent research and developments in the following areas:

- Ultrasound imaging;
- Wearable and mobile ultrasonic sensors;
- Ultrasonic biosensors;
- Ultrasounds in cell sensing;
- Multimodal sensing and imaging systems based on ultrasound and optical technology;
- Ultrasound-based elastography for the measurement of mechanical properties of cells and tissues;
- Other associated devices and applications.

Both review articles and original research papers associated with ultrasonic systems, relevant multimodal systems, ultrasonic sensors/transducers, and their applications in biology and medicine are solicited. There is a particular interest in papers concerning applications of high-frequency ultrasound elastography, multimodal imaging systems for analysis of cells and tissues, and wearable/mobile ultrasonic sensors.

Guest Editor

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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