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Ultrasonic Sensors for Biomedical Applications

Guest Editors:

Dr. Yufeng Zhou

State Key Laboratory of
Ultrasound in Medicine and
Engineering, Chongqing Medical
University, Chongqing 400016,
China

Dr. Rasim Guldiken

Mechanical Engineering
Department, University of South
Florida, 4202 E Fowler Ave.
ENG030, Tampa, FL 33629, USA

Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

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.



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Special Issue



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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

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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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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