

## Special Issue

# Ultrasound Devices for Biomedical Applications

### Message from the Guest Editors

In recent years, all kinds of ultrasound devices have seen rapid and significant developments. With their unique properties, the biomedical application prospects of ultrasound devices are far reaching, including ultrasound imaging, cell manipulation, drug delivery, neuro stimulating, and so on. This Special Issue aims to publish original research papers studying the latest advances in the development of ultrasound devices, including manufacturing processes and practical applications of such devices, and reviews describing the state-of-the-art technologies in this field. The current state of this exciting research field will be presented, covering a wide range of topics, including, but not limited to:

- Piezoelectric ultrasound transducer
- Optoacoustic transducer
- Surface acoustic wave device
- Electromagnetic ultrasonic transducer

---

### Guest Editors

Prof. Dr. Benpeng Zhu

Prof. Dr. Dawei Wu

Prof. Dr. Ziyu Wang

---

### Deadline for manuscript submissions

closed (31 August 2024)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/161435](https://mdpi.com/si/161435)

*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)





# Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)



## 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.

---

### 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

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

#### Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)