



*sensors*



an Open Access Journal by MDPI

## Healthcare Monitoring and Management with Artificial Intelligence

Guest Editors:

**Dr. Zongyuan Ge**

eResearch Center, Monash  
University, Clayton, VIC 3800,  
Australia

**Dr. Yingying Zhu**

National Institutes of Health,  
Bethesda, USA

**Prof. Dr. Xiaofeng Zhu**

Massey University, New Zealand

Deadline for manuscript  
submissions:

**closed (20 April 2021)**

### Message from the Guest Editors

Dear Colleagues,

AI is transforming healthcare in various domains such as oncology, dermatology, ophthalmology, and radiology. Medical imaging modalities like EEG, ECG, PCG, X-ray, magnetic resonance imaging, computerized tomography, single-photon emission computed tomography, positron emission tomography (PET), and fundus and ultrasound images have provided valuable information from various body parts for diagnosis, prognosis, and treatment. Biosensors, which integrates biology, chemistry, physics, information science, and technology, is an active branch in the field of science and technology. It has a broad application prospect in disease detection, environmental pollution monitoring, immune analysis, drug screening, and other areas.

The objective of this Special Issue is to generate a comprehensive understanding of medical AI and biosensors in clinical applications. It will also highlight recent advances in the diverse implementations in healthcare management and monitoring. For more information, please visit: [mdpi.com/si/36754](https://mdpi.com/si/36754)

Dr. Zongyuan Ge

Dr. Yingying Zhu

Prof. Dr. Xiaofeng Zhu

*Guest Editors*



[mdpi.com/si/36754](https://mdpi.com/si/36754)

# Special Issue



*sensors*



an Open Access Journal by MDPI

## 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.

## 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 & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

## Contact Us

*Sensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)