

# Special Issue

## Feature Papers in Biomedical Sensors 2025

### Message from the Guest Editors

Continuous health monitoring is the key technology to transform our curative medical systems into preventive systems. Avoiding adverse health events (stroke, heart failure, fall, ...) and detecting the development of chronic diseases at early stages improves the quality of life (QoL) of patients and saves money in the health systems. The latter is particularly important as our societies become older and older, paired with a growing lack of medical experts. The World Health Organization (WHO) defines health and wellbeing in six domains: environmental, behavioral, physiological, psychological, social, and spiritual. Including indirect measurements, such as cameras recording heart and respiratory rates, biomedical sensors are available on all these levels. In addition, artificial intelligence is available to analyze automatically the big data recorded by such sensors. This special issue invites original research and reviews on sensors that support implementing preventive treatments. We cover

- Sensor technology and evaluation
- Multimodal health recordings
- Data recording, synchronization, and fusion
- Data analytics
- Medical applications

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### Guest Editors

Prof. Dr. Thomas M. Deserno

Peter L. Reichertz Institute for Medical Informatics, TU Braunschweig and Hannover Medical School, 38106 Braunschweig, Germany

Prof. Dr. Zhong Chen

School of Electronic Science and Engineering, State Key Laboratory of Physical Chemistry of Solid Surfaces, Xiamen University, Xiamen 361005, China

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### Deadline for manuscript submissions

closed (31 December 2025)



## Sensors

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

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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.

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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro  
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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