

## Special Issue

# Recent Advances in Security and Reliability for Wireless Body Area Networks

### Message from the Guest Editors

This Special Issue seeks the latest contributions and reviews from academia and industry based on their current research works or projects relevant to offering security and reliability solutions for WBANs. The topics of interest include but are not limited to:

- End-to-end security frameworks and architectures for healthcare;
- HW/SW threat detection and risk analysis in WBANs;
- Reliable intra/inter-WBANs protocols;
- Cryptographic/biosignal based security techniques for healthcare;
- AI/ML/DL concepts for protecting healthcare;
- Novel strategies for wellbeing and resilience;
- Reliability forecasting mechanisms for WBANs;
- Security and confidentiality of medical information transmission;
- Secure health information management in WBANs;
- Software testing approaches for reliable communication in WBANs;
- Decentralized schemes for trust management in healthcare;
- Adaptive security approaches for healthcare;
- Methods for addressing the unreliability of local devices

---

### Guest Editors

Dr. Sandeep Pirbhulal

Dr. Habtamu Abie

Dr. Svetlana Boudko

---

### Deadline for manuscript submissions

closed (20 May 2022)



## Sensors

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.5**  
**CiteScore 8.2**  
**Indexed in PubMed**



[mdpi.com/si/93256](https://mdpi.com/si/93256)

*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)