

Special Issue

Recent Advances in Wearable and Flexible Antennas and Sensors

Message from the Guest Editors

This Special Issue will focus on advances in research regarding wearable antennas and sensors, emphasizing their transformative roles in biomedical monitoring, environmental sensing, and human-machine interfaces.

The scope of this Special Issue includes antenna designs for body-centric communications, sensor integration for monitoring physiological and environmental parameters, safety evaluations that address Specific Absorption Rate (SAR) and thermal effects, and the development of emerging materials and fabrication techniques. By addressing these areas, this Special Issue will capture both the foundational principles and state-of-the-art innovations that will define the future of wearable systems.

Topics of interest for this Special Issue include, but are not limited to, the following:

- Wearable antennas and sensors;
- Body-centric wireless devices;
- Flexible and stretchable electronics;
- Wireless power transfer for wearables;
- Specific Absorption Rate (SAR) and thermal safety;
- Smart textiles and e-textile integration;
- Miniaturized biomedical wearable sensors;
- Real-time data acquisition and telemetry;
- On-body and off-body communications.

Guest Editors

Dr. Sima Noghanian

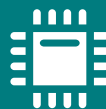
CommScope Ruckus Networks, 350 W Java Dr, Sunnyvale, CA 94089, USA

Dr. Ali Shahid Muhammad

Engineering Department, The City of Liverpool College, Liverpool L3 6BN, UK

Deadline for manuscript submissions

31 July 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/252183

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)