

Special Issue

Advances in Microwave Sensors: From Fabrication to Application

Message from the Guest Editors

Microwave planar sensors provide a number of possible benefits over traditional sensors, including their small size, low cost, and ease of production and integration. However, some of their fundamental flaws, such as their sensitivity and selectivity, limit their use and range of applications. For highly precise complex permittivity measurements to track the minute differences between various material samples, high-sensitivity microwave planar sensors must be developed. This Special Issue aims to explore current research on the design of microwave planar sensors as well as upcoming challenges presented by their sensitivity and selectivity. The results of this Special Issue may help in enhancing the normalized sensitivity of planar microwave sensors for material characterization, particularly in biochemical and beverage industry applications.

- biosensor
- complex permittivity extraction
- field distribution
- industrial applications
- microwave sensors
- resonators

For more information, please visit: mdpi.com/si/129075

Guest Editors

Prof. Dr. Cong Wang

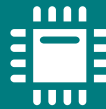
Prof. Dr. Nam-Young Kim

Dr. Kishor Kumar Adhikari

Dr. Junge Liang

Deadline for manuscript submissions

closed (30 September 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/129075

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
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 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)