



## Microwave/MM-Wave Components for Communications and Sensors

Guest Editors:

**Prof. Dr. Kang Wook Kim**

School of Electronic and  
Electrical Engineering,  
Kyungpook National University,  
Daegu 41566, Republic of Korea

**Prof. Dr. Sachin Kumar**

Department of Electronics and  
Communication Engineering,  
Galgotias College of Engineering  
and Technology, Greater Noida  
201310, India

Deadline for manuscript  
submissions:

**25 November 2024**

### Message from the Guest Editors

This Special Issue focuses on emerging technologies using microwave and mm-wave components for communications and sensors. In the midst of the fourth industrial revolution, advanced technologies like 5G/6G communications, the Internet of Things (IoT), and artificial intelligence, based on cloud computing and high-performance computing, have revolutionized information technology. This revolution necessitates a huge volume of digital data transmission on a fast time scale. Modern digital circuits often reach data rates in the tens of Gbps, and a high-speed digital signal, composed of the fundamental frequency and its harmonics, tends to occupy a very wide bandwidth, extending up to mm-wave frequencies. Microwave and mm-wave components are also used for various sensor and diagnostic applications. Therefore, this Special Issue will cover various emerging research topics on microwave and mm-wave technologies for communications and sensors.





*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 (*Chemistry, Analytical*) / 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](#)