



sensors



an Open Access Journal by MDPI

Latest Trend in Microwave Filters and Antennas for B5G Wireless Networks

Guest Editors:

**Prof. Dr. Vijayakumar
Varadarajan**

School of Computer Science and
Engineering, The University of
New South Wales, Sydney, NSW
2052, Australia

Dr. Salman Arain

NFC-Institute of Engineering &
Fertilizer Research, Jaranwala
Road, Faisalabad 38000, Pakistan

**Dr. Muhammad Ali Babar
Abbasi**

School of Electronics, Electrical
Engineering and Computer
Science, Queen's University
Belfast, Belfast BT9 5BN, UK

Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editors

5G is enjoying an unprecedented development, with the user base set to grow to 500 million by 2023. 3G and 4G took nine and six years to achieve the same growth rate, respectively. The year 2019 has been the first year of 5G-scaled commercial adoption, with more than 60 5G commercial networks projected to be globally deployed. Recently, 19 telecom carriers in 11 countries announced the launch of 5G services. Scaled commercial rollouts have already kicked off in the UK, the US, Japan, South Korea, and China. Global 5G spectrum auctioning also signifies rapid development. By 2021, more than 35 countries auctioned the 5G spectrum, with C Band in 22 countries, mmWave in 8, the 2.6 GHz band in 5, and the 700 MHz band in 4. If it had not been for COVID-19, the prediction that 5G spectrum would be auctioned in over 100 countries should already have been completed by the end of 2022.

This Special Issues of *Sensors* is specifically focused on recent trends and applications aimed to provide the readers with the information of recent developments and new design and techniques for the development of reconfigurable/switchable/tunable, and last but not the least, standalone microwave filters.



mdpi.com/si/133318

Special Issue



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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)