

## Special Issue

# Advanced RF/Microwave Electronics for Upcoming Wireless Generations

### Message from the Guest Editor

The forthcoming wave of RF electronics, including 6G, WiFi 7, and WiFi 8, is set to redefine electronics markets from 2025 onwards, impacting both the RF/Microwave sectors and beyond. Technologies such as mmWave and 6G will deliver speeds exceeding 1 Gbps, enhanced data bandwidth, and minimized latency due to efficient data-handling capacities. The future RF landscape will be sculpted by groundbreaking technologies, introducing transformative services enabled by nanotechnology and terahertz wireless tech. Key advancements will focus on antennas, power amplifiers, filters, and more, leveraging innovations like ultra-wideband, antenna arrays, MIMO systems, metamaterials, and reconfigurable intelligent surfaces (RISs). These advancements necessitate sophisticated electronic systems. This Special Issue encourages contributions exploring the evolution and challenges in advanced RF/Microwave and mmWave devices, encompassing topics from nanoelectronics to reconfigurable antennas and beyond.

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### Guest Editor

Dr. Yasir Al-Yasir

Department of Biomedical and Electronics Engineering, Faculty of Engineering and Informatics, University of Bradford, Bradford BD7 1DP, UK

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### Deadline for manuscript submissions

closed (30 April 2024)



## Sensors

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro  
Department of Electrical and Information Engineering, Politecnico di  
Bari, Via Orabona 4, 70126 Bari, Italy

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