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Advanced RF/Microwave Electronics for Upcoming Wireless Generations

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Deadline for manuscript submissions:

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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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Special Issue



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Message from the Editor-in-Chief

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