

Special Issue

Antenna Technology for Advanced Communication and Sensing Systems

Message from the Guest Editor

This Special Issue, titled “Antenna Technology for Advanced Communication and Sensing Systems”, explores the latest advancements in antenna technology and its integration into modern communication and sensing systems. It covers a range of topics, including wideband communication antennas, next-generation 5G/6G designs, and solutions tailored for IoT and wireless sensor networks. With the increasing demand for faster and more reliable wireless communication, these technologies play a crucial role in supporting data-intensive applications such as smart cities, autonomous vehicles, and ultra-reliable low-latency communications. This Special Issue also examines novel antenna solutions designed for IoT and wireless sensor networks—cornerstones of a smart, interconnected world. Additionally, this Special Issue highlights emerging applications in biomedical sensing and flexible antenna materials, emphasizing their transformative potential in sectors such as healthcare, AI-driven systems, RFID, and energy harvesting.

Guest Editor

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Deadline for manuscript submissions

20 December 2025



Sensors

an Open Access Journal
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Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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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

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