

Special Issue

Recent Advancements in Antenna Technologies: Novel Design Techniques and Emerging Applications

Message from the Guest Editor

Antennas have attracted increasing attention in various wireless communication applications, including radars, sensor networks, microwave imaging, and satellites, making antenna technology a key element in modern electronic and microwave systems. In this context, antennas are required to meet more and more rigorous specifications, such as a low weight, low manufacturing cost, low profile, and ease of integration with other integrated circuits. One of the aims of this Special Issue is to present the current trends of antenna technologies while showing novel design techniques and emerging applications for next-generation wireless communication systems. This Special Issue will also discuss the recent developments made in new antenna design solutions and cost-effective manufacturing techniques to meet the requirements of several practical 6G wireless applications. We invite researchers and authors to submit original research and review articles on the following key topics, including, but not limited to, the following:

- Novel microwave, millimeter-wave and terahertz antenna designs;
- Antenna design for 5G/6G applications;
- Antenna design for RFID applications.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).