Special Issue

Latest Advances in High Power Microwave Generation

Message from the Guest Editors

High-power microwaves emerged as a novel technology around five decades ago, owing to the convergence of several historical trends, including progress in developing intense electron beams, advancements in plasma physics, and the pursuit of controlling thermonuclear fusion. This research field has significant importance in the scientific community, enabling breakthroughs in various fields. The aim of this Special Issue is to provide a platform for researchers and experts to share their insights, findings, and reviews on recent progress in high-power microwave generation techniques and their applications. We encourage contributions that cover a wide range of themes, including, but not limited to:

- High-power microwave generation technology
- High-power microwave transmission and radiation technology
- Solid-state high-power microwave technology
- Strong field physics and materials
- High-power microwave simulation and other related technologies

We look forward to receiving your valuable contributions.

Guest Editors

Prof. Dr. Tianming Li

Prof. Dr. Yuwei Fan

Dr. Renzhen Xiao

Deadline for manuscript submissions

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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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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 guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).