

Special Issue

New Techniques and Components for Microwave and Radiofrequency Applicator Design

Message from the Guest Editors

Microwave and RF heating systems must be carefully designed in order to provide high-quality and efficient results. Potential topics in microwave and RF applicator design areas include but are not limited to the following:

- New design techniques for monomode and multimode cavities
- Design of applicators and components for specific applications in food, waste management, medical, biological or chemical/biochemical fields, etcetera
- Emerging technologies such as solid state applicators
- New EM modelling and numerical Techniques
- Microwave plasma applicators and processing (CVD, cleaning, nanoparticles, etc.)
- Microwave component design and optimization: filters, stirrers, circulators, matching devices, etcetera
- Frequency sources and power supply design
- Electronics and microwave devices for microwave-heating and drying monitoring
- Design and optimization of multimode feeding: leaky-wave antennas, slotted waveguides, multiport optimization, etcetera
- Design of new radiofrequency applicators and components

Guest Editors

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Prof. Dr. Lozano-Guerrero Antonio

Deadline for manuscript submissions

closed (30 June 2022)



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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

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