



New Techniques and Components for Microwave and Radiofrequency Applicator Design

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Deadline for manuscript submissions:

closed (30 June 2022)



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



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Message from the Editor-in-Chief

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