



Microwave-Based Sensors for Biological and Wireless Applications

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Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editors

This Special Issue of *Sensors* invites contributions relevant to the waveforms, sensors, fluidic integration, devices, and systems for biological and wireless applications. Research topics of interest include, but are not limited to:

- Development and evaluation of novel devices for in-situ and remote sensing;
- Development and evaluation of novel devices for broadband and narrowband sensing;
- Application of artificial-intelligence-based techniques for sensing data exploitation;
- Development and evaluation of novel devices for heating in biology and chemistry;
- Discovery and integration of waveform shapes for intelligent sensing and efficient heating;
- Development and integration of supporting microwave and millimetre-wave circuitry for microfluidic sensors and heaters;
- Integration of high-frequency electrical devices and circuitry with microfluidic setups;
- Development of packaging and interconnect technologies for microwave and millimetre-wave devices in microfluidics;
- Reports on interactions of high-frequency electromagnetic fields with biological and chemical material samples.





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Message from the Editor-in-Chief

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.

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