



## Microwave and Millimeter Wave Devices and Circuits for Sensing and Heating at the Microfluidic Scale

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submissions:

**closed (30 June 2020)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue of *Sensors* invites contributions at the level of waveforms, devices, and systems. All disciplines are welcome, and contributions may cover scientific, engineering, and technological aspects of novel devices and back-end systems involved in microwave and millimeter wave microfluidic research.

Research topics of interest are (but are not limited to):

- Development and evaluation of novel devices for impedance- and resonance-based sensing;
- 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 millimeter wave circuitry for microfluidic sensors and heaters;
- Integration of high-frequency electrical devices and circuitry with traditional microfluidic and optic setups;
- Development of novel packaging and interconnect technologies for microwave and millimeter 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

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