

Special Issue

Microfluidic Sensors 2022

Message from the Guest Editors

The interdisciplinary field of microfluidics has attracted significant attention among various fields ranging from engineering to life sciences and chemistry. It is worth emphasising that to be categorised in the field of microfluidics, only the length scale of the compartment that handles the fluid needs to be in the microscale domain. This Special Issue seeks to showcase research articles and critical review papers on recent advances in design, fabrication and characterisation of microfluidic sensors for environmental, forensic, chemical and biomedical applications. Summing up, we invite submissions of papers related, but not limited, to the following topics:

- Microfluidic paper-based analytical devices (μ PAD);
- Droplet-based microfluidic sensing systems;
- Optofluidic/magnetofluidic/electrokinetic sensors;
- Microneedle-based sensors;
- Wearable/flexible microfluidic sensors;
- Microfluidic biosensors for immunophenotyping;
- Lab-on-a-chip microfluidic platform integrated with smart detection platforms (e.g., electrochemical and optical readouts) and bioassays (e.g., immunoassays, nucleic acid analysis, cytometry).

Guest Editors

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Deadline for manuscript submissions

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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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