

Special Issue

Recent Advances in Microfluidic Sensing Devices

Message from the Guest Editor

This special issue will cover a wide range of topics, including but not limited to:

- Microfluidic sensor design and fabrication: Papers discussing novel design concepts, advanced fabrication techniques, and the integration of microfluidic sensors with other technologies are encouraged.
- Novel materials for microfluidic sensors: Contributions focusing on the development and characterization of new materials that enhance the performance and functionality of microfluidic sensors are of interest.
- Integration of microfluidic sensors with other technologies: Manuscripts that explore the interfacing of microfluidic sensors with electronics, optics, and other sensing modalities to create multifunctional devices are welcome.
- Applications of microfluidic sensors: Research articles that demonstrate the use of microfluidic sensors in various fields such as healthcare diagnostics, environmental monitoring, food safety, and industrial process control are sought.
- Advances in microfluidic sensor signal processing and data analysis: Papers addressing the challenges and solutions in signal transduction, amplification, and data interpretation for microfluidic sensors are invited.

Guest Editor

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Deadline for manuscript submissions

31 January 2027



Sensors

an Open Access Journal
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Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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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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