

## Special Issue

# Microfluidics for Biosensing Applications

### Message from the Guest Editors

The reaction time and applied reagents of microfluidic systems are faster and fewer than those using conventional methods, representing a revolutionary advancement on bio-assay processes. Microfluidics combined with biosensing technologies is one of the most vibrant research areas in this field. Biosensing technologies, such as electrochemical, optical, mechanical, and electrical detections realized on different microfluidic devices with various substrates, including glass, silicon, polymer or paper, are utilized to detect/analyze various targets, including nucleotide (DNA, RNA), proteins, enzymes, cells, tissues, and organs. This Special Issue is aiming at those advanced technologies through the incorporation of microfluidic and biosensing systems for biological/environmental/clinical applications. Topics of interest include but are not limited to the following:

- Microfluidic systems for biosensing
- Nanofluidic biosensing systems
- Assays in droplet microfluidics
- Lab-on-a-chip systems
- Microfluidics for pathogen detection
- Paper-based later flow biosensor
- Point-of-care microfluidic devices
- Hematology microfluidic systems

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2020)



## Sensors

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## About the Journal

### 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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### Editor-in-Chief

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