

Special Issue

Microfluidic Paper-Based Chips for Detection: Current Status, Challenges and Perspectives

Message from the Guest Editor

Microfluidic paper-based chips (μ PCs) are miniature laboratory analysis systems that utilize a paper substrate for a microfluidic system instead of the traditional substrates (e.g., silicon and polymers). Due to their low cost, easy fabrication process and portability, they have been widely used in a diverse range of scientific fields. The rapid development in this field seen thus far indicates μ PCs are swiftly gaining popularity as promising analytical platforms.

This special issue will cover all aspects of microfluidic paper-based chips, including, but not limited to, the latest developments in the following areas:

- Sensor
- Microfluidics
- Biosensor
- Microfluidics paper-based chips
- Electrochemical sensor
- Optical detection
- Fiber material
- Flexible material
- Point-of-care diagnosis
- Portable device
- Rapid detection

Guest Editor

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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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