

Special Issue

Microfluidics-Based Point-of-Care Detection of Bio-Analytes for Health Care Applications

Message from the Guest Editors

Topics of interest include, but not limited to: 1. Development and standardization of microfluidic devices for POC diagnosis; 2. Integration of microfluidics-based POC results with electronic medical records; 3. Advancements in biosensors for multiplexing and the simultaneous detection of multiple analytes; 4. Clinical validation and implementation of microfluidics-based POC diagnostic devices; 5. Cost-effectiveness and user-friendliness of microfluidic POC devices for widespread use; 6. The impact of the COVID-19 pandemic on the growth of the microfluidics-based POC detection market; 7. The potential of microfluidics-based POC detection to monitor chronic diseases and early intervention; 8. Advancements in sample preparation techniques for microfluidics-based POC diagnosis; 9. The integration of artificial intelligence and machine learning in microfluidics-based POC detection.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2024)



Diagnostics

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CiteScore 5.9
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