

Recent Advances in Microfluidic Biosensors in Biomedical Applications

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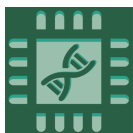
Message from the Guest Editor

Dear Colleagues,

Microfluidic biosensors are crucial in biosensing applications. These miniature devices allow rapid, real-time analysis with minimized sample volumes. In biomedical and clinical settings, they play pivotal roles in disease diagnostics, biomarker monitoring, pathogen detection, and therapeutic drug monitoring. Their automation potential facilitates high-throughput screening, ensuring biocompatibility and reducing sample contamination to maintain the integrity of biological samples. The recent emphasis on developing microfluidic-based biosensor technologies with high sensitivity, reproducibility, and stability has made these devices a focal point of interest, particularly in the biomedical field.

This Special Issue welcomes original research papers, as well as reviews of current developments in the design of high-sensitivity and reproducible microfluidic-based biosensors.





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Message from the Editor-in-Chief

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