Special Issue

Microfluidic Devices for Biosensing, 2nd Edition

Message from the Guest Editors

We cordially invite you to submit a paper to this Special Issue of *Micromachines*, entitled "Microfluidic Devices for Biosensing." Microfluidics is a vast field with numerous applications for the science and technology underpinning it. Regardless of the application, they all need the manipulation of micro- to picoliters of fluid. This has been particularly important in the field of sensors, and more specifically in biosensors and biodetection, which have incorporated microfluidics as an essential component in the development of lab-on-a-chip, point-of-care (POC), and organ-on-a-chip concepts. This Special Issue aims to cover all aspects of the fabrication of microfluidic-based devices using a variety of technologies, ranging from conventional PDMS or paper-based devices to more modern additive manufacturing technologies for biosensing applications. This Special Issue focuses on biodetection and biosensor applications, as well as related areas for the development of a new generation of microfluidic devices, such as valves, cryogeny, micro- and nanodroplet generation, computing, etc.

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