

## Special Issue

# Microfluidics for Biological and Medical Analysis, Detection and Diagnosis

### Message from the Guest Editors

Microfluidic technology platforms enable the miniaturization and integration of various laboratory functions, offering significant advantages such as reduced sample consumption, enhanced sensitivity, rapid analysis, and portability. The unique phenomena at the small scale of microfluidic technology have generated exciting research and enabled the development of practical applications in recent years. Thus, the use of microfluidic components in biological and medical research has increased, becoming a widely adopted tool. In this Special Issue, we seek research and review articles that highlight recent advances in the application of microfluidic technology, demonstrating its potential impact on detection and diagnostics in biology and medicine. Microfluidic-based devices may also include microfluidic chips, microfluidic paper-based devices, and lab-on-a-chip, lab-on-paper, paper-strips, point-of-care devices. In addition, practical microfluidic technology platforms that exhibit the ability to solve real-world problems are of particular interest.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2025)



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### Editor-in-Chief

Prof. Dr. Nam-Trung Nguyen

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