

Special Issue

Trends in In Vitro Diagnostics Paving the Way to Next- Generation Healthcare

Message from the Guest Editor

In the last decade, in vitro diagnostics (IVDs) have made remarkable progress, improving clinical diagnoses and health outcomes. During the COVID-19 pandemic, point-of-care testing formats were used more, leading to at-home testing and wider accessibility. The use of various smart monitoring technologies for communication, regulation, and healthcare records also enabled the real-time tracking of critical data. Similarly, point-of-care molecular diagnostic tests have proven to be of significant utility and are further extending confirmatory IVD tests to be performed in remote, decentralized, and home settings.

Several companies and scientists are investing a great deal in order to bring various novel technologies to the market, such as fully automated mass spectrophotometry systems, large-scale multiplex assay formats, artificial intelligence (AI)-based diagnoses, high-sensitivity assay formats, novel disease biomarkers, and improved clinical-score-based diagnostics.

These IVD trends and developments pave the way for next-generation healthcare.

Guest Editor

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