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# **Recent Progress of Lab-on-a-Chip Assays**

Guest Editors:

### Message from the Guest Editors

Dr. Binfeng Yin Dear Colleagues,

Dr. Chaouiki Abdelkarim

Dr. Xiaodong Lin

Dr. Pan Zhang

Dr. Biao Zhang

Deadline for manuscript submissions: **31 March 2026** 



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This Special Issue of *Micromachines*, titled "Lab-on-a-Chip Assays", hopes to cover all aspects of the microfluidic platform applied to sensors, including original research and review papers to be considered for publication. The aim of this Special Issue is to highlight 3D printed devices, wearable devices, biosensors, point-of-care testing, lateral flow assays, immunoassay and nanomaterials. We invite the submission of full research papers, review articles and communications covering the related topics. Lab-on-achip assays (LoCAs) are a promising strategy for analysis, including food safety detection, environmental analysis and clinical diagnostics. LoCAs are integrated into small devices to build wearable devices that provide an important basis, for example for the real-time monitoring of athletes' movements (blood glucose, pH, etc). Meanwhile, LoCA devices and sensors for bioanalysis, point-of-care testing and wearable sensors are also gaining

We look forward to receiving your contributions.

Dr. Binfeng Yin Dr. Chaouiki Abdelkarim Dr. Xiaodong Lin Dr. Pan Zhang Dr. Biao Zhang *Guest Editors* 

popularity.







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### Message from the Editor-in-Chief

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