

Special Issue

Emerging Molecular Research in Microfluidics

Message from the Guest Editor

Microfluidics (microfluidics) is a technology for the precise control of fluid processes on a microscopic scale, achieved by the precise modulation of fluid flow. We encourage the submission of original full research papers as well as review articles dealing with microfluidic flow properties. We also encourage the submission of manuscripts that focus on translating fundamental knowledge into novel applications. Topics include, but are not limited to, the following:

- New research and applications of single-cell microfluidic, including detecting, manipulating, and sorting microbial populations at the single-cell level.
- Applications of organ-on-a-chip, including innovative design and construction of organ-on-a-chip, as well as exploration of diverse application scenarios such as cell culture, data acquisition, and drug testing.
- Digital microfluidics for Immunoassays, including encompassing colorimetric, direct chemiluminescence, enzymatic chemiluminescence, electrosensory, and other immunoassays.
- Microfluidic sensor research, including innovative research on sensing principles, systems, devices, and application scenarios.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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