

Special Issue

Microfluidic Devices for Biological Quantitative Analysis

Message from the Guest Editors

Microfluidics are emerging as a highly attractive technology for chemo- and bioanalytical applications. It is the science and technology of systems that process or manipulate small amounts of fluids or chemicals, offering significant advantages in terms of analytical speed, separation efficiency, reduced sample/reagent consumption, and elimination of contamination. The aims of this issue is to highlight recent advances in the field of on-chip biological quantitative analysis and their applications. Both review articles and original research papers are solicited in, though not limited to, the following areas: Novel microfluidic devices for biological quantitative analysis;

New biological analysis methods on microfluidic chips;
On-chip biological molecular/cell detection/separation;
Advanced microfluidic tools for disease diagnosis and studies;

Point-of-care bioassays;

Microfluidics-implemented biochemical assays;
Droplet-/paper- based microfluidic technologies for biochemistry and molecular biology;

Microfluidic platforms for biomedical applications;
Microfluidic systems for studying cell–biomaterial interactions.

Guest Editors

Prof. Dr. Chunxiong Luo

Prof. Dr. Chunyang Xiong

Dr. Wei Yang

Deadline for manuscript submissions

closed (20 January 2023)



Chemosensors

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 7.3



mdpi.com/si/92762

Chemosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
chemosensors@mdpi.com

[mdpi.com/journal/
chemosensors](https://mdpi.com/journal/chemosensors)





Chemosensors

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 7.3



[mdpi.com/journal/
chemosensors](https://mdpi.com/journal/chemosensors)



About the Journal

Message from the Editorial Board

Chemosensors continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

Editors-in-Chief

Prof. Dr. Jin-Ming Lin

Beijing Key Laboratory of Microanalytical Methods and Instrumentation,
Department of Chemistry, Tsinghua University, Beijing 100084, China

Prof. Dr. Nicole Jaffrezic-Renault

Institute of UTINAM, University of Franche-Comté, UMR-CNRS 6213, 16
Gray Road, 25030 Besançon, France

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /
SciFinder, Inspec, Engineering Village and other
databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore -
Q1 (Physical and Theoretical Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 19.1 days after
submission; acceptance to publication is undertaken in 2.6
days (median values for papers published in this journal in
the second half of 2025).