

## Special Issue

# Microfluidics System and Its Application in Single Cell Analysis

### Message from the Guest Editors

Single-cell analysis techniques based on the microfluidics system have become a powerful tool. This field has increased the sensitivity, accuracy, and throughput of traditional single-cell analysis methods. Single-cell sequencing methods based on the microfluidics system have enabled rapid genome-wide analysis of thousands of single cells within one experiment. These cutting-edge methods have allowed us to profile cells at unprecedented resolutions and numbers, thus building a complete human cell atlas. Such database would inform us of the fundamental features of each cell type and provide insights into the changes and underlying mechanisms behind embryonic development. The microfluidics system also contributes to human tumor atlases, deciphering this complex issue involving a high degree of heterogeneity among different cell populations and their interactions.

---

### Guest Editors

Prof. Dr. Ying Mu

College of Control Science and Engineering, Zhejiang University, Hangzhou 310007, China

Prof. Dr. Qiangyuan Zhu

College of Control Science and Engineering, Zhejiang University, Hangzhou 310007, China

---

### Deadline for manuscript submissions

closed (30 May 2022)



## Biosensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 6.6  
Indexed in PubMed



[mdpi.com/si/82347](https://mdpi.com/si/82347)

*Biosensors*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biosensors@mdpi.com](mailto:biosensors@mdpi.com)

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





# Biosensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 6.6  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

*Biosensors* is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

---

### Editor-in-Chief

Prof. Dr. Giovanna Marrazza

Department of Chemistry "Ugo Schiff", University of Florence, Via della  
Laustruccia 3, 50019 Sesto Fiorentino, Italy

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q1 (Chemistry, Analytical) / CiteScore - Q1  
(Engineering (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.9 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 2024).