



an Open Access Journal by MDPI

Recent Developments in Microfluidics

Collection Editors:

Dr. Yunus Alapan

George W. Woodruff School of
Mechanical Engineering, Parker
H. Petit Institute for
Bioengineering and Biosciences,
Georgia Institute of Technology,
Atlanta, GA 30332, USA

Dr. Yuncheng Man

Wyss Institute for Biologically
Inspired Engineering, Harvard
University, Boston, MA 02115,
USA

Message from the Collection Editors

Dear Colleagues,

The advent of microfluidics has revolutionized many fields. Microfluidic technologies are rapidly evolving with new fabrication techniques, channel architecture, and materials (flexible elastomers, paper, 2D materials), along with developments in sensing modalities (optical, electrical, and magnetic) and integrated molecular biology techniques (CRISPR-based approaches). On the other hand, cost-effective, disposable, and simple-use microfluidic technologies are at the frontlines of point-of-care diagnostics and screening of infectious diseases and genetic disorders, especially in low-resource settings; the importance and urgency of which has become evident once more during the recent COVID-19 pandemic.

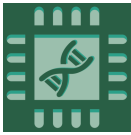
In this Special Issue, we are pleased to invite contributions on “Recent Developments in Microfluidics”. The main topic is related but not limited to:

- microfluidic biosensors
- lab-on-a-chip
- paper-based microfluidics
- wearable microfluidics
- Microfluidic assays
- molecular diagnostics
- cellular diagnostics
- point-of-care diagnostics
- physiological monitoring
- global health



mdpi.com/si/47584

Topical Collection



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giovanna Marrazza

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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))

Contact Us

Biosensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biosensors
biosensors@mdpi.com
X@Biosensors_MDPI