

Special Issue

Development of Microfluidic Devices for Medical Applications

Message from the Guest Editor

Dear colleagues, In this Special Issue, we invite researchers to submit original research papers, review articles, and short communications addressing technical challenges in developing and manufacturing microfluidic devices for medical and diagnostics applications. The papers can cover all aspects of medical microfluidic devices, including but not limited to recent developments in the following areas: drug discovery and delivery; micropumps and microvalves; bioMEMS; microneedles; integrated on-chip sensors; lab-on-chip (LOC), organ-on-chip (OOC), biomedical microfluidic devices; manipulation of biofluids and cells; micro total analysis system (mTAS); bioassays; diagnostics and theranostics; manipulation of biomolecules and biofluids; and point-of-care (POC) testing.

Guest Editor

Dr. Eric Chappel

Debiotech SA, Microsystems Department, Lausanne, Switzerland

Deadline for manuscript submissions

closed (31 May 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/58421

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls-ci@mdpi.com

mdpi.com/journal/

[appls-ci](https://appls-ci.mdpi.com)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)