



an Open Access Journal by MDPI

Lab on a Chip Technology for Pathogen Detection and Disease Diagnosis

Guest Editors:

Dr. Cheng Wang

Department of Mechanical and
Aerospace Engineering, Missouri
University of Science and
Technology, Rolla, MO 65409,
USA

Dr. Huan Hu

ZJU-UIUC Institute, International
Campus, Zhejiang University,
Haining 314400, China

Prof. Dr. Lingqian Chang

Beijing Advanced Innovation
Center for Biomedical
Engineering, School of Biological
Science and Medical Engineering,
Beihang University, Beijing
100191, China

Message from the Guest Editors

Dear Colleagues,

Lab-on-a-chip technology is playing an increasingly fundamental role in pathogen detection and disease diagnosis by offering biosensors with higher sensitivity, lower costs, and the potential to be mass-produced. This Special Issue calls for papers about new sensing mechanisms, new materials, new micro/nanofabrication processes, new devices, and new applications in lab-on-a-chip technology that are helpful for detecting pathogens such as viruses and bacteria, as well as for enabling disease diagnosis via detecting antibodies, DNA, RNA, exosomes, and cells. All original research or review articles are welcome on both the fundamentals, fabrication, and applications of micro/nanoscale biosensors.

Deadline for manuscript
submissions:

closed (31 March 2023)



mdpi.com/si/98035

Special Issue



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