

Special Issue

Microfluidic Sensors for Biomedical Applications

Message from the Guest Editor

As the world becomes increasingly concerned with biomolecular disruptor activity, and since the threat of bio pollutants/bioterrorism can be substantially mitigated if detected early, the demand for real-time/on-site detection of bioparticle is expanding quickly. However, current technology is expensive, technically complicated and not portable/compact to use at the contamination sites. So there is a need to develop a robust, rapid lab-on-a-chip (LOC) for detecting bioparticles. This journal covers a multidisciplinary research topics that include, Micro-total-analysis systems (MicroTAS) and lab-on-a-chip applications for biomedical devices; transport in biological and molecular systems; wearable biosensor utilizing the microfluidics devices, Electrokinetic, electrohydrodynamic, and magnetohydrodynamic for biomedical applications; Micro- and nanoscale biomedical devices; Biologically enabled microfluidics; and Sensors and transducers for interdisciplinary applications.

- micro- and nanofluidic bio sensors
- BioMEMS devices and systems
- transport in biological and molecular systems
- biologically enabled microfluidic

Guest Editor

Prof. Dr. Nazmul Islam

College of Engineering and Computer Science, The University of Texas
Rio Grande Valley, Edinburg, TX, USA

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

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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