Special Issue

Microfluidic-Based Biosensors 2020

Message from the Guest Editors

The integration of sensors in microfluidic devices will represent a fundamental and challenging scenario for biomedical and environmental applications such as cancer treatment, investigating new therapeutics, blood analysis, or assessing the quality of air and water, to mention but a few. Sensor integration incorporates sensors for supernatant monitoring, optical sensors for the computer-based visual analysis of an experiment, sensors for the control of the biological conditions of experiments, and skin sensors, In this Special Issue, all topics involving sensor design and fabrication, sensor integration, data analysis and machine learning but also techniques for cell manipulation as well as novel measurement techniques involving microfluidic device applications will be considered. Prof. Eugenio Martinelli

Guest Editors

Dr. Eugenio Martinelli

Department of Electronic Engineering, University of Rome, Via del Politecnico 1, 00133 Roma, Italy

Dr. Arianna Mencattini

Dipartimento di Ingegneria Elettronica, University of Rome Tor Vergata, Rome, Italy

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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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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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