



Microdevices and Sensors Based on Polymeric Materials for Human Health Applications

Guest Editors:

Dr. Cristina Potrich

Fondazione Bruno Kessler (FBK) -
Center for Sensors & Devices -
Laboratory of Biomarker Studies
and Structure Analysis for Health
& CNR – Institute of Biophysics,
Trent, Italy

Dr. Lorenzo Lunelli

Fondazione Bruno Kessler (FBK) -
Center for Sensors & Devices -
Laboratory of Biomarker Studies
and Structure Analysis for Health
& CNR – Institute of Biophysics,
Trent, Italy

Deadline for manuscript
submissions:

30 August 2024

Message from the Guest Editors

Dear Colleagues,

Polymeric microfluidic devices and sensors are increasingly emerging as valid and powerful tools for many applications in biomedical, agri-food and environmental fields. Human health greatly benefits from these devices and sensors, as they improve sensitivity and ease of use, lower costs and allow the spread of laboratories in real settings. This Special Issue welcomes the submission of both review and original research articles related to polymeric microdevices and sensors with applications for human health. The Special Issue is open to contributions with topics considering nanostructured materials, biofunctional materials and surfaces, sensors for human health analysis and monitoring, microdevices for food safety and smart polymeric materials and microfluidic devices. Original contributions that look at integrated microdevices and biosensors are also welcome.

Dr. Cristina Potrich

Dr. Lorenzo Lunelli

Guest Editors





sensors



an Open Access Journal by MDPI

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

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.

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](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)