



sensors



an Open Access Journal by MDPI

Portable Biosensor Based on Optical Technology for High Sensitivity Biomolecular Detection

Guest Editors:

Dr. Yun Suk Huh

Department of Biological
Engineering, Biohybrid Systems
Research Center (BSRC), Inha
University, Incheon 22212, Korea

Prof. Bong Gill Choi

Department of Chemical
Engineering, Kangwon National
University, Samcheok, Korea

Deadline for manuscript
submissions:

closed (30 September 2020)

Message from the Guest Editors

Dear Colleagues,

With the advent of the 4th industrial era, research on the development of portable sensor devices capable of easily discriminating in the field and integrating detection signals into digital devices has been rapidly developed. One of the potential technologies for rapidly detecting biomolecules in the field is optical biosensors such as SPR, SERS, and optical fiber-based biosensors. This Special Issue also includes portable sensor technologies, such as optical sensors, using microfluidic devices and colorimetric paper sensors integrated with digital imaging analyzers.

Dr. Yun Suk Huh
Prof. Bong Gill Choi
Guest Editors



mdpi.com/si/34341

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 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 (Instruments and Instrumentation) / 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](#)