



sensors



an Open Access Journal by MDPI

Wireless Chemical and Biosensing Devices

Guest Editor:

Prof. Dr. Miguel Ángel Carvajal Rodríguez

Department of Electronics and Computer Technology, University of Granada, 18071 Granada, Spain

Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editor

Dear Colleagues,

Chemical analytical instrumentation consists of sensors and reader equipment. The development of chemical and biosensors makes it possible to monitor a vast range of magnitudes in such different fields as environmental monitoring, drug control, health, point of care, sports, or general chemical analysis. Recently, some wireless protocols have been developed, not only for communication systems such as Bluetooth or WIFI, but also to supply the sensor tag using RFID (radio frequency identification). In fact, most smartphones embody the required hardware to implement a kind of RFID protocol, NFC (Near-Field Communication), designed to communicate over small distances, in the range of a few centimetres. Therefore, many possibilities to develop wireless chemical biosensing devices appears with these communication technologies.

This Special Issue aims to highlight the most recent research regarding biosensors and biodevices with wireless readout or communication protocol.

Link: <https://www.mdpi.com/si/82149>

Prof. Dr. Miguel Ángel Carvajal Rodríguez

Guest Editor



[mdpi.com/si/82149](https://www.mdpi.com/si/82149)

Special Issue



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](#)