

Special Issue

Ion-Selective Sensors and Their Applications

Message from the Guest Editor

Ion-Selective Sensors allow for the determination and monitoring of the activity/concentration of a high number of inorganic and organic ions in different samples, which make them very attractive for its applications in several fields such as environmental, clinical, pharmaceutical and industrial analysis. Several transduction principles such as potentiometry (ion-selective electrodes), ion-transfer voltammetry, amperometry, coulometry, photometry and fluorimetry have been used. Some research topics include fundamental and mechanistic studies, incorporation of new ionophores, transducer materials for solid-contact ion-selective electrodes, wearable ion-sensors, point-of-care and in-field applications, as well as electronic tongues, among others. This special issue covers new research on any of the aspects mentioned above and others related. Topics of interest include but are not limited to the following:

- Ion sensors
- Ion-selective electrodes
- Optical ion sensors
- Ion amperometry
- Wearable ion-sensors
- Solid-contact ion-selective electrodes
- Electronic tongues

Guest Editor

Prof. Dr. Joaquín Ángel Ortuño

Department of Analytical Chemistry, Faculty of Chemistry, University of Murcia, 30100-Murcia, Spain

Deadline for manuscript submissions

closed (31 July 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/75779

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

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

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
Department of Electrical and Information Engineering, Politecnico di
Bari, Via Orabona 4, 70126 Bari, Italy

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)