

Special Issue

Selective Acoustic Wave Sensors and their Applications

Message from the Guest Editor

In this Special Issue we would like to highlight the new strategies adopted to obtain high selectivity for a single acoustic sensor or sensors system, given the need to detect a large number of analytes among a large number of interfering elements. Typically, the main effort is to find the appropriate interactive element and develop an optimized device for the application of interest, but often the most useful strategies may concern signal processing (statistical methods for data processing and artificial intelligence methods for pattern recognition), deposition techniques for sensitive materials, and the use of sensor arrays or specific configurations.

- Acoustic wave sensors
- Sensitive materials and coating techniques
- Selective sensors
- Sensor systems
- Signal processing
- Chemical agents

Guest Editor

Dr. Domenico Cannatà

Institute for Microelectronics and Microsystems, National Research Council of Italy, Rome, Italy

Deadline for manuscript submissions

closed (10 September 2021)



Chemosensors

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.0



mdpi.com/si/59613

Chemosensors
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
chemosensors@mdpi.com

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





Chemosensors

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.0



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



About the Journal

Message from the Editorial Board

Chemosensors continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

Editors-in-Chief

Prof. Dr. Nicole Jaffrezic-Renault

Institute of Analytical Sciences, UMR CNRS 5280, Department LSA, 5
Rue de La Doua, 69100 Villeurbanne, France

Prof. Dr. Jin-Ming Lin

Department of Chemistry, Beijing Key Laboratory of Microanalytical
Methods and Instrumentation, Tsinghua University, Beijing 100084,
China

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /
SciFinder, Inspec, Engineering Village and other
databases.

Journal Rank:

JCR - Q1 (Instruments and Instrumentation) / CiteScore -
Q2 (Analytical Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 17.1 days after
submission; acceptance to publication is undertaken in 2.6
days (median values for papers published in this journal in
the first half of 2024).