



an Open Access Journal by MDPI

## The Application and Advance of Electronic Nose

Guest Editors:

**Dr. Antonio Pardo Martínez**

Department of Electronics and Biomedical Engineering,  
University of Barcelona, 08028  
Barcelona, Spain

**Prof. Dr. Luis Fernandez  
Romero**

Department of Electronics and Biomedical Engineering,  
University of Barcelona, 08028  
Barcelona, Spain

Deadline for manuscript  
submissions:

**closed (31 July 2024)**

### Message from the Guest Editors

The topics covered in this Special Issue will include recent advances both in machine learning and sensor technology as well as improvements in the practical application of electronic noses. Original research articles are welcomed from a broad diversity of disciplines and fields of knowledge as engineering, computer science, machine learning, medicine, analytical science, environmental science, sensors technologies and chemometrics, to highlight the latest developments in the topic of electronic noses.

The Special Issue will cover, but not limited, to the following topics:

- Gas sensors for electronic noses
- Electronic noses and Instruments for volatile detection
- Chemometrics, pattern recognition and machine learning
- Electronic nose applications
- Electronic noses standardization.



[mdpi.com/si/138613](https://mdpi.com/si/138613)

# Special Issue



an Open Access Journal by MDPI

## Editors-in-Chief

### Prof. Dr. Jin-Ming Lin

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

### Prof. Dr. Nicole Jaffrezic- Renault

Institute of UTINAM, University of  
Franche-Comté, UMR-CNRS 6213,  
16 Gray Road, 25030 Besançon,  
France

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPlus / SciFinder](#), [Inspec](#), [Engineering Village](#) and [other databases](#).

**Journal Rank:** JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Physical and Theoretical Chemistry)

## Contact Us

---

*Chemosensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/chemosensors](http://mdpi.com/journal/chemosensors)  
[chemosensors@mdpi.com](mailto:chemosensors@mdpi.com)  
[X@chemosens\\_MDPI](https://twitter.com/chemosens_MDPI)