

## Special Issue

# Chemical Sensors for Bio-Medical and Environmental Applications

### Message from the Guest Editors

Air quality, water pollution, and population health are major factors that pose real challenges to our modern society. Appropriate monitoring is necessary to achieve sustainable growth and, thereby, maintain a healthy society. In recent years, environmental monitoring and early medical diagnosis have been transformed into intelligent monitoring of crucial parameters, thanks to the progress of the Internet of Things (IoT), artificial intelligence (AI) and the development of modern sensors. This Special Issue will provide a forum for the latest research activities in the field of smart (bio)chemical sensors for environmental and medical applications. Both review articles and original research papers are requested in, though not limited to, the following areas: - Bio-medical sensors; - Sensors for diagnosis; - Sensors for environmental monitoring; - Air pollution sensors (indoor and outdoor); - Volatile organic compound (VOC) sensors; - NO<sub>2</sub> sensor; - Water pollution sensor; - Pesticide and persistent organic pollutant sensors; - Heavy metal sensor.

---

### Guest Editors

Dr. Marc Debliquy

Materials Science Department, University of Mons, 56 Rue de l'Épargne, 7000 Mons, Belgium

Dr. Driss Lahem

Materials Science Unit, Materia Nova, 56 Rue de l'Épargne, 7000 Mons, Belgium

---

### Deadline for manuscript submissions

closed (30 September 2023)



## Chemosensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 8.1



[mdpi.com/si/55510](https://mdpi.com/si/55510)

*Chemosensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[chemosensors@mdpi.com](mailto:chemosensors@mdpi.com)

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





# Chemosensors

an Open Access Journal  
by MDPI

Impact Factor 3.7  
CiteScore 8.1



[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. 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

### Author Benefits

#### High Visibility:

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

#### Journal Rank:

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

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).