



Advances in Porous Materials for (Bio-)Chemical Sensors

Guest Editors:

Dr. Sumit Sachdeva

Stamicarbon BV, Sittard 6135,
Netherlands

Prof. Dr. Chung-Wei Kung

Department of Chemical
Engineering, National Cheng
Kung University (NCKU), Tainan
70101, Taiwan

Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editors

With recent developments in material science, materials like Metal organic frameworks (MOFs), Covalent Organic Frameworks (COFs) have emerged as potential candidates for selective (bio-)chemical detection. Also, there have been significant developments in possible integration within semiconductor industry to enter in the field of portable devices.

This special issue aims to provide a platform to demonstrate the latest research and advancement in the field of (Bio-)chemical sensors from the perspective of porous materials. Both review articles and original research articles are invited with a focus on following fields:

- Synthesis of porous materials as thin films/coatings
- Integration of porous materials with semiconductor devices
- Application of MOFs and COFs for Chemical and Biochemical Sensors
- Porous materials-based sensors within sensor networks
- Latest advancements in MOF/COF-based sensor miniaturization
- Sensor prototype developments





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Nicole Jaffrezic-Renault

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

Message from the Editor-in-Chief

Chemosensors is an international, scientific, open access journal on the science and technology of chemical sensors published by MDPI. All articles are released on the internet immediately following acceptance. The journal publishes reviews, regular research papers, and communications. The scope of Chemosensors includes:

New chemical sensors design

Electrochemical devices, potentiometric sensor, redox electrode

Optical chemical sensors

Analytical methods

Environmental monitoring

Gas detectors

electronic nose, etc.

Author Benefits

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

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

Journal Rank: JCR - Q1 (*Instruments & Instrumentation*) / CiteScore - Q2 (*Analytical Chemistry*)

Contact Us

Chemosensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/chemosensors
chemosensors@mdpi.com
[X@chemosens_MDPI](https://twitter.com/chemosens_MDPI)