



Functional Nanomaterials for the Detection of Greenhouse Gases

Guest Editors:

Dr. Nirav Joshi

São Carlos Institute of Physics,
University of São Paulo, CP 369,
São Carlos 13560-970, São Paulo,
Brazil

Dr. Ram K. Gupta

Department of Chemistry, Kansas
Polymer Research Center,
Pittsburg State University,
Pittsburg, KS 66762, USA

Dr. Luís Fernando da Silva

Laboratory of Nanostructured
Multifunctional Materials (LNM2),
Department of Physics, Federal
University of São Carlos, São
Carlos, SP, Brazil

Message from the Guest Editors

This Special Issue aims to present recent developments in the processing methodology of any form of mesoporous functional nanomaterial, such as metal oxides, graphene, halide perovskites, and other novel 2D materials. Improvement of the gas-sensing performance of these materials, especially sensitivity, selectivity, as well as working conditions against specific chemical compounds, should be given special attention. The sensing process and mechanism involved and the use of these materials in real-world sensing platforms could be explored.

We invite researchers working on this area to submit their most recent research studies to this Special Issue. Full papers, communications, and reviews are all very welcome.

Deadline for manuscript
submissions:

closed (15 February 2022)





an Open Access Journal by MDPI

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

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

Contact Us

Chemosensors Editorial Office
MDPI, Grosspeteranlage 5
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)