



Applications of Nanocomposites in Gas Sensors

Guest Editor:

Dr. Valeriy Krivetskiy

Laboratory of Chemistry and
Physics of Semiconductor and
Sensor Materials, Department of
Chemistry, Lomonosov Moscow
State University, 119234 Moscow,
Russia

Deadline for manuscript
submissions:
closed (30 January 2024)

Message from the Guest Editor

Dear Colleagues,

The use of nanocomposites in the field of chemical gas sensors allowed scholars to demonstrate the dramatic improvements of the performance of various types of sensors, such as metal oxide, polymeric, carbon-based, electrochemical and others. Apart from quantitative effects, some new phenomena have been shown, for example, in the case of composite systems with hetero- and homo-junctions. The purpose of the present Special Issue is to collect the papers that demonstrate the innovation of the design and architecture of gas-sensing nanocomposite systems and the methods of obtaining them, as well as addressing unresolved questions such as the synergistic effects of such systems, their evolution during operation and their long-term stability. In addition to the original research articles and review papers, summaries of the current body of knowledge in the field of gas-sensing nanocomposite systems and new insights into future research are welcome in the upcoming open access Special Issue.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI