

**SENSOR LETTERS**  
(SCOPUS indexed American Scientific Publishers Journal)  
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*A Special Issue on*

**Gas Sensors**

**CALL FOR PAPERS**

“*Sensor letters*” is an international peer reviewed journal published by American scientific publishers (ASP) for the enhancement of research in sensor science disciplines of Engineering and Technology.

Gas sensors can be used to detect combustible, flammable and toxic gases, and oxygen depletion. Gas detectors are usually battery operated. They transmit warnings via a series of audible and visible signals such as alarms and flashing lights, when dangerous levels of gas vapors are detected, but there are also new systems for remote monitoring. Reliable gas detection and monitoring systems are an essential element of the semiconductor plant’s safety system. A variety of systems are available for different monitoring applications. Using the correct system will result in managing gas hazards in the most effective and efficient way

The sensor letters special issue “Gas sensors” welcomes papers for semiconductor and other inorganic material research areas. The aim and scope of the issue is to provide a research medium and an important foundation for the advancement and dissemination of research results that support gas sensors and research in the fields of Engineering and Technology. We bring together Scientists, Academician, Field Engineers, Scholars and Students of related fields of Engineering and Technology.

The physical properties of the semiconductor materials and their influence upon sensor properties has been studied. Various deposition conditions and their corresponding possible phenomena’s which improves various sensor parameters like sensitivity, selectivity, stability, reproducibility and reliability.

This special issue also focuses on different kinds of materials in the form of thin films, powders, thick films and pellets with broad range of morphologies like, nanowires, nanoribbons, nanotubes, monolayers and hierarchical nanomaterials are synthesized. Also many chemical and physical deposition methods including solution synthesis, smart anodization, spray pyrolysis, CVD, thermal evaporation, etc. for manufacturing the gas sensors are also focused in this special issue. There are no paradigmatic or methodological preferences but papers should meaningful advance the territory and should be original and

rigorous. Suitable themes for the special edition include, but are not limited to, the following:

- Gas sensors applications: Environmental & monitoring
- Materials for gas sensors
- Physical and chemical methods in gas sensing
- Sensor phenomena, modeling, and evaluation
- Nanomaterials for sensors
- Film-bases sensors
- Micro-and nanofabrication
- Sensor Applications

### **MANUSCRIPT SUBMISSION**

All manuscripts must be 100% original and unpublished which should be prepared according to the Journal's guidelines, available at <http://www.aspbs.com/sensorlett.html>. Submit your manuscript as a single file either in MS word or PDF format by EMAIL to one of the guest editors. All papers submitted to this special issue will be subject to a strict peer review to ensure the high quality of the articles. Please make sure in the cover letter that the submitted manuscript of your paper has not been published previously and is not currently submitted for review to any other journals/conference proceedings and will not be submitted elsewhere before a decision is made by this journal.

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### **KEY DATES**

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*Due Date of completion of Review: 15<sup>th</sup> December, 2016*

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