

# SENSOR LETTERS

(SCOPUS indexed American Scientific Publishers Journal)

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## A Special Issue on Graphene based Chemical Sensors

### CALL FOR PAPERS

Graphene and graphene related chemical sensors have recently received a close attention of the sensor community throughout the world because of some unusually superior mechanical, chemical, optical and electrical properties. These versatile properties supersede all other existing materials for various applications including chemical and biosensors. The ease of deposition of this 2D material and its derivatives in the extremely thin film form supported by the superior mechanical strength, very good flexibility, highest electrical mobility and low dimensions make it possible to fabricate the cost effective miniaturized sensor devices. The chemical modifications and functionalization of the graphene surface are the added merits to realize high efficiency chemical sensors for commercial applications. This special issue of the journal 'Sensor Letters' focuses on the recent development of graphene & graphene related materials and their chemical sensor applications.

We invite submission of (i) **Research Articles**, (ii) **Communications/Letters** to editors covering the following topics (but not limited to):

- Graphene Chemical Sensors
- Graphene Oxide Sensors
- Functionalization of Graphene for Chemical Sensors
- Defective Graphene for Chemical Sensors
- Porous Graphene sensors
- Gas sensors using Graphene and Graphene oxides
- Graphene Humidity Sensors
- Graphene sensors for Freshness of Food Materials
- Graphene Junction Devices for chemical sensing
- Oxide/Graphene Heterojunction Sensors

The original full length papers / letters / communications are invited for submission following the guidelines of 'Sensor Letters', given in the website below, to either of the Guest Editors via Email. The manuscripts will be peer reviewed. The earlier published articles or submitted for publications in other journals/conference proceedings will not be considered. The language of the manuscript is English.

### **ABOUT SENSOR LETTERS**

Sensor Letters is a multidisciplinary peer-reviewed journal covering the fundamental and applied research aspects on sensor science and technology in all fields of science, engineering, and medicine. Topics include chemical, biological and physical sensors, cell and tissue-based sensors, sensor networks and systems, sensing materials, fabrication techniques, etc.

## **ABSTRACTING AND INDEXING**

- Science Citation Index Expanded (SCIE, SciSearch)
- ISI-Scientific Database
- Chemistry Citation Index
- Materials Science Citation Index
- Current Contents/Physical
- Chemical and Earth Sciences
- Current Contents/Engineering Computing and Technology
- Journal Citation Reports/Science Edition
- Chemical Abstracts
- INSPEC Information Services
- Scopus
- Cambridge Scientific Abstracts/METADEX-Engineered Materials Abstracts.

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## **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.

## **KEY DATES**

*Last date of Submission of the Manuscript: 3<sup>rd</sup> February 2016*

*Due Date of completion of Review: 6<sup>th</sup> April 2016*

*Date of Publication: June/July 2016*