

## Special Issue

# Electronic Noses for Biomedical Applications and Environmental Monitoring

### Message from the Guest Editor

This Special Issue is devoted to the most recent technical developments in the area of electronic nose technology, including their design, the chemical sensors and biosensors used, instrumentation systems for laboratory or field monitoring, personal systems and wearables, innovative data processing techniques and also their implementation, in particular for biomedical applications and environmental monitoring. Scope of the Special Issue:

- new sensor solutions applied in electronic noses,
- nanotechnology and novel materials applied to gas sensors and biosensors,
- novel instrumentation systems for electronic noses,
- new methodology approaches in the use of advanced data processing methods,
- correction and compensation of sensor drift and humidity and other effects
- application of electronic noses in biomedical applications,
- application of electronic noses in environmental monitoring,

Reviews and original research papers are all welcome.  
Prof. Jesús Lozano Rogado

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### Guest Editor

Prof. Dr. Jesus Lozano

Industrial Engineering School, University of Extremadura, 06006  
Badajoz, Spain

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### Deadline for manuscript submissions

closed (15 January 2019)



## Biosensors

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## About the Journal

### Message from the Editor-in-Chief

*Biosensors* is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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### Editor-in-Chief

Prof. Dr. Giovanna Marrazza

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