



Thin Film Based Sensors

Guest Editors:

Dr. Maria Raposo

Laboratory for Instrumentation,
Biomedical Engineering and
Radiation Physics (LIBPhys-
NOVA), Department of Physics,
NOVA School of Science and
Technology, NOVA University of
Lisbon, Campus FCT-NOVA, 2829-
516 Caparica, Portugal

Dr. Paulo A. Ribeiro

Departamento de Física,
Faculdade de Ciências e
Tecnologia, Universidade Nova
de Lisboa, Caparica, Portugal

Deadline for manuscript
submissions:

closed (30 April 2019)

Message from the Guest Editors

The goal of this *Special Issue on Thin Film Based Sensor Devices* is to give a survey about the state-of-the-art on organic and inorganic thin films sensor based devices, which allow the detection of a determined molecular specie or set of molecules on a complex media, in order to compile, criticize and systematize the achieved knowledge and to provide guidelines for a next generation of quantifying and selective sensor devices. Under this compliance we are launching the challenge for the submission of review like contributions covering both theoretical and practical aspects in the field of thin films sensor devices made of functional molecular layers, capable of detection and quantification particularly in complex media. A wide range of experimental techniques for the obtention of molecular layers can be envisaged herein as for example Langmuir-Blodgett, self-assembly, layer-by-layer, molecularly imprinted polymers, sol-gel, casting, spin-coating, vacuum evaporating, plasma assisted deposition, electron beam deposition, chemical vapour deposition or molecular beam epitaxy.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Nicole Jaffrezic-Renault

Institute of Analytical Sciences,
UMR CNRS 5280, Department
LSA, 5 Rue de La Doua, 69100
Villeurbanne, France

Message from the Editor-in-Chief

Chemosensors is an international, scientific, open access journal on the science and technology of chemical sensors published by MDPI. All articles are released on the internet immediately following acceptance. The journal publishes reviews, regular research papers, and communications. The scope of Chemosensors includes:

New chemical sensors design

Electrochemical devices, potentiometric sensor, redox electrode

Optical chemical sensors

Analytical methods

Environmental monitoring

Gas detectors

electronic nose, etc.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q1 (*Instruments & Instrumentation*) / CiteScore - Q2 (*Analytical Chemistry*)

Contact Us

Chemosensors Editorial Office
MDPI, St. Alban-Anlage 66
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)