

Special Issue

Nanomaterials Based on Bio/Chemical Sensors

Message from the Guest Editor

With the increased use of nanotechnology in many fields including sensors, bioanalytical, medical diagnosis devices, environmental, and emerging applications, there is a great demand for the fabrication of novel nanoscale materials to enhance their physicochemical, catalytic, and electronic properties as well as the overall sensing device performance. Nanomaterials, nanocomposites and hybrid materials, including metals and metal oxide nanoparticles, quantum dots, carbonous (e.g., graphene, graphene oxide, and carbon nanotubes), polymeric, metal organic frameworks (MOFs) and supramolecular have been successfully integrated into fabrication of bio/chemical sensors, which has led to a rapidly expansion of these materials in many applications. Current efforts in the fabrication, functionalization and engineering of these nanomaterials focus on the tuning and tailoring of their physicochemical, spectroscopic, electrical, mechanical, and thermal properties, which can significantly enhance the sensitivity, stability, selectivity, and performance of the bio/chemical sensors for various applications.

Guest Editor

Dr. Ali Othman

Department of Chemical and Biomolecular Engineering, Clarkson University, Potsdam, NY, USA

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Chemosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
chemosensors@mdpi.com

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Chemosensors continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

Editors-in-Chief

Prof. Dr. Jin-Ming Lin

Beijing Key Laboratory of Microanalytical Methods and Instrumentation,
Department of Chemistry, Tsinghua University, Beijing 100084, China

Prof. Dr. Nicole Jaffrezic-Renault

Institute of UTINAM, University of Franche-Comté, UMR-CNRS 6213, 16
Gray Road, 25030 Besançon, France

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