Special Issue

Detection of Analytes with Medical Relevance Using Porphyrins and/or Graphene-Based Materials

Message from the Guest Editors

This Special Issue is addressed to all types of sensors for pH, biomolecules, and other analytes with medical relevance using as sensing materials porphyrins, porphyrin-based hybrid materials, as well as graphene, functionalized graphene, and graphene-based materials. The main aim of this issue is to acknowledge simple and fast analysis of several health parameters, such as pH, 8-OHdG, dopamine, histamine, β-carotene, ascorbic acid, uric acid, hydrogen peroxide, and heavy metals, from different biological samples, which allows the identification of possible diseases at an early stage (diabetes, cardio and hormone diseases, incipient cancer).

- Porphyrins
- Porphyrin-based hybrid materials
- Graphene
- Graphene–nanoparticles composites
- Heteroatom-doped graphene
- pH sensors
- Detection of analytes with medical relevance
- Electrochemical detection of biomolecules
- Optical chemical sensors
- Electrochemical mediators
- Screen-printed microelectrodes

Guest Editors

Dr. Eugenia-Lenuta Fagadar-Cosma

"Coriolan Dragulescu" Institute of Chemistry, 24 Mihai Viteazu Ave., 300223 Timisoara, Romania

Dr. Stela-Maria Pruneanu

National Institute for Research and Development of Isotopic and Molecular Technologies, Donat Street, No. 67-103, RO-400293 Cluj-Napoca, Romania

Deadline for manuscript submissions

closed (15 February 2022)

Chemosensors

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 7.3

mdpi.com/si/42742

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

mdpi.com/journal/chemosensors

Chemosensors

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 7.3

mdpi.com/journal/chemosensors

About the Journal

Message from the Editorial Board

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Engineering Village and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Physical and Theoretical Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).

MDPI