

Special Issue

Nanotechnology for Sensing, Medical and Environmental Application

Message from the Guest Editors

The special issue is focused on smart (active, adaptive, stimuli-responsive) nanomaterials used in chemosensors, which can be applied in several fields, namely biomedical, cosmetic, electronic as well as in agriculture and the food sector. The examples include, but are not limited to the following areas of application:

- In medicine: nanocarriers, nanoencapsulates, disease prevention, therapy, non-invasive and point-of-care diagnosis, etc.
- In cosmetics: stimuli-responsive nanocapsules designed to enclose a cosmetic ingredient able to treat different skin conditions
- In food sector and food packaging: nanomaterials to prevent nutrients or other molecules from breaking down in the body and to allow a slow release at a target specific location, real time food quality and food safety monitoring or remediation, etc.
- In agriculture: nanomaterials for targeted release and delivery of water, nutrients, agrochemicals and antimicrobials to crops, for real-time detection and monitoring of plant pathogens and stress conditions, etc.

Guest Editors

Dr. Jana Drbohlavová

1. Department of Microelectronics, Faculty of Electrical Engineering and Communication, Brno University Technology, Brno, Czech Republic

2. CEITEC—Central European Institute of Technology, Brno University of Technology, 61200 Brno, Czech Republic

Dr. Agnieszka Mech

DG JRC, European Commission, 21027 Ispra, Italy

Deadline for manuscript submissions

closed (20 June 2022)



Chemosensors

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 7.3



mdpi.com/si/75344

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

[mdpi.com/journal/
chemosensors](https://mdpi.com/journal/chemosensors)





Chemosensors

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 7.3



[mdpi.com/journal/
chemosensors](https://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), CAPus /
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).