

Special Issue

Photoelectrochemical (Bio)sensors for Biological, Food, and Environmental Analysis

Message from the Guest Editors

Photoelectrochemical (PEC) (bio)sensors are a new class of analytical devices operating on the basis of the PEC properties of materials and can be applied to the (bio)sensing of various biological targets, metabolites, food/beverage/cosmetic ingredients, environmental pollutants. In recent years, to overcome the possible defects of a single material, versatile composites have been constructed to heterojunctions for improving PEC response sensitivity and selectivity to a specific analyte of interest. This Special Issue of Chemosensors focusses on the design and development of PEC (bio)sensors, especially their applications in biological, food, and environmental analysis. We look forward to receiving papers on the relevant topics.

- Photoelectrochemical(bio)sensors
- Novel materials for PEC (bio)sensing
- Novel PEC (bio)sensing principles
- Immunosensors
- Imprinted polymers
- Functional nanomaterials
- Semiconductor nanomaterials
- Heterojunctions
- Aptasensors
- Disease diagnostics
- Environmental analysis
- Food analysis
- Air pollutants

Guest Editors

Prof. Dr. Li Niu

1. School of Chemistry and Chemical Engineering, Guangzhou University, Guangzhou 510006, China
2. School of Chemical Engineering and Technology, Sun Yat-sen University, Zhuhai 519082, China

Dr. Qiong Hu

Centre of Advanced Analytical Science, Guangzhou University, Guangzhou 510006, China

Deadline for manuscript submissions

closed (30 April 2023)



Chemosensors

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 7.3



mdpi.com/si/99766

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).