

Special Issue

Photoelectrochemical and Surface Plasmon Resonance Sensors: Current Status and Future Perspectives

Message from the Guest Editor

This Special Issue focuses on the current status and future perspectives of photoelectrochemical and SPR sensors, covering recent advancements in sensor design, fabrication techniques, and applications. Topics include recent innovations in sensor design, advanced materials for enhanced performance, innovative detection strategies, developing novel SPR-based biosensors for biomolecular interactions, integrating SPR sensors with microfluidics for point-of-care diagnostics, and exploring SPR sensors for environmental monitoring and chemical analysis. Both review and original research articles are requested for showcasing the latest developments and future challenges in this rapidly evolving field. Keywords

- photoelectrochemical sensors
- photoelectric conversion
- electrochemical processes
- surface plasmon resonance sensors
- biomolecular interactions
- point-of-care diagnostics
- environmental monitoring
- bioanalysis
- chemical analysis
- food safety

Guest Editor

Dr. Qing Kang

School of Chemistry and Chemical Engineering, University of Jinan, Jinan 250022, China

Deadline for manuscript submissions

30 June 2026



Chemosensors

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 7.3



mdpi.com/si/238853

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), 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 19.1 days after
submission; acceptance to publication is undertaken in 2.6
days (median values for papers published in this journal in
the second half of 2025).