

Special Issue

Application of Chemical Sensors in Smart Agriculture

Message from the Guest Editors

The rapid development of smart agriculture is inseparable from precise sensing technologies, among which chemical sensors have become a key driving force for agricultural modernization. With their high accuracy, stability, miniaturization, and cost-effectiveness, chemical sensors can effectively meet the diverse needs of smart agriculture, including soil nutrient detection, crop growth monitoring, pest and disease surveillance, and environmental sensing. This Special Issue focuses on the cutting-edge applications of chemical sensors in smart agriculture, gathering the latest global research achievements and highlighting their important roles in agricultural IoT. This Special Issue will provide a high-profile platform for the application of chemical sensors in smart agriculture, promoting academic exchange and technology dissemination and facilitating the deep integration of chemical sensor technology with smart agriculture. We look forward to your active participation, as well as to working together to explore the future of smart agriculture and contribute to the sustainable development of global agriculture.

Guest Editors

Prof. Dr. Yong Zhang

Prof. Dr. Yingshu Guo

Prof. Dr. He Li

Dr. Sixia Yang

Deadline for manuscript submissions

31 March 2026



Chemosensors

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 7.3



mdpi.com/si/235136

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).