

## Special Issue

# Emerging Materials, Probe, Fundamental, Strategy for Advanced Chemical Sensor

### Message from the Guest Editors

Advanced chemical sensors involve emerging materials, probes, novel concepts, rational designs, fundamentals, and strategies in chemistry, bioscience, and photonics. Significant advances in these aspects can make chemical sensors more sensitive, rapid, accessible, and intelligent. Topics of interest for creative explorations and investigations include novel concepts, materials, devices, design, and detection mechanisms of sensors based on chemistry, including but not limited to:

- Chemical sensor construction with novel materials, structures, and performance;
- Progress in fabrication technologies or devices of chemical sensors;
- Facile chemical sensors with different signal amplification, transduction, and output strategies;
- Synthesis, characterization, and chemical sensing applications of emerging 1D, 2D, and 3D nanomaterials;
- Illustration of fundamental phenomena related to chemical sensors;
- State of the development of different chemical sensors;
- Emerging methodologies used in chemical, electrochemical, or biochemical sensing.

### Guest Editors

Dr. Xia Li

Department of Chemistry, Liaocheng University, Liaocheng, 252059, Shandong, China

Prof. Wei Li

College of Pharmaceutical Science, Hebei University, Baoding, 071002, China

### Deadline for manuscript submissions

closed (15 January 2023)



## Molecules

an Open Access Journal  
by MDPI

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



[mdpi.com/si/123151](https://mdpi.com/si/123151)

*Molecules*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[molecules@mdpi.com](mailto:molecules@mdpi.com)

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





# Molecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

---

### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).