



## Precision Analysis of Chemical Samples by Chromatography-Mass Spectrometry

Guest Editor:

**Dr. Wenpeng Zhang**

Department of Precision  
Instrument, Tsinghua University,  
Beijing, China

Deadline for manuscript  
submissions:

**closed (30 April 2024)**

### Message from the Guest Editor

Dear Colleagues ,

Precision Analysis of chemical or biological samples involves accurate identification and quantitation of chemical or biochemical compounds. This can be challenging in resolving of isomers, simultaneous characterization of large numbers of compounds, and accurate quantitation of targeted compounds in complex samples. The coupling of chromatographic techniques with mass spectrometry (MS) has become a powerful tool for precision analysis of chemical or biological samples. These techniques have significantly promoted environmental analysis, agricultural analysis and biomedical analysis, such as proteomics, metabolomics, lipidomics, screening of pollutants, monitoring of therapeutic drugs, and discovery of biomarkers.

Dr. Wenpeng Zhang  
*Guest Editor*





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Thomas J. Schmidt

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

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

## Contact Us

*Molecules* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/molecules](http://mdpi.com/journal/molecules)  
[molecules@mdpi.com](mailto:molecules@mdpi.com)  
[X@Molecules\\_MDPI](https://twitter.com/Molecules_MDPI)