



Chemometrics Tools Used in Chemical Detection and Analysis

Guest Editor:

Dr. Pedro N. Sousa Sampaio

Computação e Cognição
Centrada nas Pessoas (BioRG—
Biomedical Research Group),
Lusofona University, Campo
Grande, 376, 1749-019 Lisbon,
Portugal

Deadline for manuscript
submissions:

30 September 2024

Message from the Guest Editor

Chemometrics is defined as the application of statistical and mathematical methods to analytical data to permit the maximum collection and extraction of useful information. The utility of chemometric techniques as tools enabling the multidimensional calibration of selected spectroscopic, electrochemical, and chromatographic methods is demonstrated. The uses of this approach, mainly for the interpretation of UV-Vis, near-IR (NIR), or mid-IR (MIR) spectra, as well as for data obtained with other instrumental methods, make identification and the quantitative analysis of active substances in complex mixtures possible. This special Issue aims to share knowledge and experiences in relation to the use and exploration of different and multifaceted chemometric techniques in areas such as chemistry, biochemistry, pharmaceuticals, food, beverages, etc. I, therefore, wish to invite all those interested in publishing their research work or reviews in this Special Issue addressing the most diverse areas of chemometrics.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Nicole Jaffrezic-Renault

Institute of Analytical Sciences,
UMR CNRS 5280, Department
LSA, 5 Rue de La Doua, 69100
Villeurbanne, France

Message from the Editor-in-Chief

Chemosensors is an international, scientific, open access journal on the science and technology of chemical sensors published by MDPI. All articles are released on the internet immediately following acceptance. The journal publishes reviews, regular research papers, and communications. The scope of Chemosensors includes:

New chemical sensors design

Electrochemical devices, potentiometric sensor, redox electrode

Optical chemical sensors

Analytical methods

Environmental monitoring

Gas detectors

electronic nose, etc.

Author Benefits

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

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q1 (*Instruments & Instrumentation*) / CiteScore - Q2 (*Analytical Chemistry*)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/chemosensors
chemosensors@mdpi.com
[X@chemosens_MDPI](https://twitter.com/chemosens_MDPI)