



an Open Access Journal by MDPI

Green Analytical Chemistry: Current Trends and Future Developments

Guest Editors:

Dr. João Flávio Da Silveira Petrucci

Institute of Chemistry, Federal University of Uberlândia, Av. João Naves de Avila, 2121, Uberlândia 13400-970, MG, Brazil

Prof. Dr. Rodrigo Alejandro Abarza Munoz

Institute of Chemistry, Federal University of Uberlândia, Uberlândia 38408-100, Brazil

Prof. Dr. Sidnei Gonçalves Da Silva

Institute of Chemistry, Federal University of Uberlândia, Uberlândia 38408-100, Brazil

Deadline for manuscript submissions:

closed (20 May 2025)

Message from the Guest Editors

The recent trends in analytical method development focus on the miniaturization of the sample preparation devices, the development of solventless or solvent-minimized extraction techniques, and the utilization of less toxic solvents. In this case, the aim of this Special Issue is to publish original research and review articles that highlight the progress in analytical chemistry, with a particular reference to eco-compatibility and eco-sustainability, and to provide a broad view of green analytical methods.

This Special Issue includes, but is not limited to, the following topics:

- Chemometrics for signal processing;
- Green sample preparation techniques and direct techniques;
- Greener analytical separations;
- Computational chemistry to design green strategies;
- Design of analytical methods for the everyday user, especially with the aid of smartphones;
- Design of analytical methods using the Internet of Things concept;
- Application of green analytical chemistry metrics, designing novel metric approaches;
- Development of chemical and biochemical sensors.



mdpi.com/si/135473

Special Issue



an Open Access Journal by MDPI

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

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.

Author Benefits

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

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

Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Physical and Theoretical Chemistry)

Contact Us

Chemosensors Editorial Office
MDPI, Grosspeteranlage 5
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)