



Direct Injection Mass Spectrometry Analysis of Volatile Compounds in Food Applications

Guest Editors:

Dr. Franco Biasioli

Dr. Jonathan Beauchamp

Dr. Patrick Silcock

Dr. Vittorio Capozzi

Deadline for manuscript
submissions:

31 May 2024

Message from the Guest Editors

The direct, rapid, and non-invasive analysis of volatile organic compounds in foods presents an efficient and highly informative tool to support the agroindustry and food science.

This Special Issue aims to gather research papers, reviews and commentaries covering all facets of volatile compounds analysis food using direct injection mass spectrometry and other direct methods, including proton transfer reaction–mass spectrometry (PTR-MS), atmospheric pressure chemical ionization–mass spectrometry (APCI-MS), selected ion flow tube–mass spectrometry (SIFT-MS), direct analysis in real-time mass spectrometry (DART-MS), and secondary electrospray ionization–mass spectrometry (SESI-MS), amongst others. We invite contributions that span the entire spectrum of this field, from fundamental principles to practical applications, including integration with other analytical techniques.

This Special Issue is associated with the 1st International Symposium on Direct Injection for Food Flavor Analytics (DIFFA23; 20-22 September 2023, Italy). Special considerations and submission benefits will be provided to conference attendees.





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

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)