Special Issue

Exploring the OMICS Platforms in Food Analysis II

Message from the Guest Editors

The first edition of the Special Issue on "Exploring the OMICS Platforms in Food Analysis" was very rewarding, comprising fourteen papers. Thus, due to the great success of this first edition, we are pleased to inform you that Molecules will be launching a second edition of the Special Issue.

OMICS technologies have now emerged as selfstanding research fields relying on well-established and recognized analytical methods, such as mass spectrometry techniques (GC-MS and LC-MS/MS), in addition to modern spectroscopic approaches based on NMR (1H; 13C), IR and sensor technologies, to better characterize food matrices, identifying their components and defining nutritional properties. This comprehensive strategy, based on the integration of foodomic platforms, combined with high-resolution analytical approaches and data processing, can help us to elucidate some critical issues in food analysis related with food safety and food quality. In turn, this will progress our understanding of the biochemical, molecular, and cellular mechanisms related with the health benefits of bioactive food components.

Guest Editors

Prof. Dr. José Sousa Câmara

Dr. Rosa Perestrelo

Dr. Jorge Pereira

Deadline for manuscript submissions

closed (31 October 2022)



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



mdpi.com/si/46968

Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

mdpi.com/journal/molecules





Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of 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).

