Special Issue

Analytical Methods for Mycotoxin Analysis

Message from the Guest Editors

Mycotoxins are secondary metabolites produced by fungi, mainly Aspergillus, Fusarium, Penicillium, and Alternaria, which can contaminate food and feed with toxic effects for humans and animals.

Regulations have established maximum levels for mycotoxins in foodstuffs, including aflatoxins B1, B2, G1, G2, and M1, ochratoxin A, fumonisins B1 and B2, deoxynivalenol, zearalenone, HT-2 and T-2 toxins, patulin, citrinin, and ergot alkaloids. In addition to these "known and legislatively regulated" mycotoxins, there are other "emerging mycotoxins".

Therefore, it is necessary to develop analytical methods for an accurate determination of mycotoxins. For monitoring, rapid, cheap, and easy-to-operate analytical methods are used; on the other hand, GC-MS, LC-MS/MS and HRMS, are required to develop multi-mycotoxin methods and to identify and quantify emerging, masked, and novel mycotoxins. Moreover, the numerous samples involved in mycotoxin determination requires the development of extraction and clean-up techniques.

Guest Editors

Dr. Terenzio Bertuzzi
Dr. Chiara Lanzanova
Dr. Sabrina Locatelli

Deadline for manuscript submissions

closed (30 November 2020)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/29927

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

mdpi.com/journal/molecules

MDPI

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).