



Molecular Toxicology of New Drugs: New Insights

Guest Editor:

Prof. Dr. Pascal Houzé

Faculté de Pharmacie, Université
Paris Descartes, Sorbonne Paris
Cité, 75006 Paris, France

Deadline for manuscript
submissions:

closed (28 February 2024)

Message from the Guest Editor

Dear Colleagues,

The number of molecules with pharmacological activities is growing and involves both small organic molecules and macromolecules. It also includes novel psychoactive substances such as synthetic cannabinoids, synthetic opioids, or cathinone, for which only few data are available regarding the pharmacotoxicological profiles. Regardless of whether these compounds are used for a recreational or therapeutic purposes, a complete toxicity assessment is needed, both at the systemic and the molecular levels.

This Special Issue is dedicated to the broad array of molecular mechanisms triggered by new drugs with a special focus on molecular biology in both in vitro and in vivo studies. The use of omics approaches will provide new insights into the cellular and organ-specific pathways following new drug administration. Studies on the pharmacokinetics and pharmacodynamics will also be considered, as well as the investigation of their effect on endogenous metabolites. Studies combining recent analytical approaches, such as molecular network, and biological experiments to decipher the toxicity of new drugs and their related metabolites will be included in the scope.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI