



Natural and Semi-Synthetic Small Molecules in Drug Discovery 2.0

Guest Editor:

Prof. Dr. David M. Pereira

Laboratory of Pharmacognosy,
Faculty of Pharmacy, University
of Porto, Porto, Portugal

Deadline for manuscript
submissions:

closed (15 July 2022)

Message from the Guest Editor

Small molecules continue to be the most relevant set of therapeutic options for most human pathologies.

The process of drug discovery is complex and can arise from several strategies; however, naturally occurring molecules are still one of the most prolific sources of new chemical entities with applications in human health. However, these molecules can frequently be upgraded or enhanced in their potency and selectivity by conducting structural changes. For this reason, derivatives obtained by hemi-synthesis are also pivotal players in the process of drug discovery and development.

This Special Issue will focus on the process of drug discovery from naturally occurring bioactive small molecules and their hemi-synthetic derivatives. Several diseases will be addressed, including but not limited to cancer, as well as inflammatory, neurodegenerative, and metabolic diseases.





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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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