



Synthesis, Structure, Molecular Modeling, and Bioactivity of Metal Complexes

Guest Editor:

Prof. Dr. Teodorico C. Ramalho

Department of Chemistry,
Federal University of Lavras, P.O.
Box 3037, Lavras 37200-000, MG,
Brazil

Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editor

Bioinorganic and Computational Chemistry have reached a level of maturity and are now considered central scientific disciplines in the pharmaceutical industry. They involve exploring the applications of metal compounds in vital biological mechanisms and pathways, such as biological signaling, molecular recognition, and biocatalysis, in combination with computational contributions to optimize cost-effective synthetic routes and screen extensive databases. Additionally, they entail proposing hypotheses regarding the potential mechanisms of action of drugs in biological systems.

This Special Issue of *Molecules* is dedicated to showcasing the application of these methods in medicinal computational chemistry. We warmly invite fellow scientists to submit original papers or reviews that will undoubtedly enhance cutting-edge knowledge in this field.





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](https://twitter.com/Molecules_MDPI)