



Advantage Application of Coordination Complexes in Bio-Chemical Processes

Guest Editors:

Dr. Xiang Ma

1. Chemistry and Chemical Engineering Department, Taiyuan Institute of Technology, Taiyuan 030008, China
2. School of Chemistry and Chemical Engineering, Nanjing University, Nanjing 210023, China

Dr. Pengtao Ma

Institute of Molecular and Crystal Engineering, College of Chemistry and Chemical Engineering, Henan University, Kaifeng 475004, China

Deadline for manuscript submissions:

closed (15 June 2023)

Message from the Guest Editors

This Special Issue will highlight the latest advances in in vitro and in vivo coordination complexes, such as pure, hybrids, and/or coordination complex-based nanoparticles cluster, film or hydrogel with antitumor, antiviral, and antimicrobial activities and degradation of antibiotics as well as other biological and/or biomedical applications, e.g., in diabetes and neurological diseases. Studies on coordination complexes such as biosensors, artificial enzymes (including catalysts), conformational modulators, etc., used as biological factors, inducers, or markers of specific illnesses are also welcome. Papers addressing biomolecular targets, coordination complexes' application as ion channels in lipid/cell membranes and transportation of coordination complexes across cell membranes will be considered, as will molecular simulations of all of the abovementioned topics.





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