

Special Issue

Advances on Chelation and Chelator Metal Complexes in Medicine

Message from the Guest Editor

This Special Issue aims to present the current state of knowledge and new developments in the clinical use, application and effects of chelating drugs. Many areas are covered, including the use of chelating drugs for metal detoxification, as antioxidants, anticancer and anti-infective agents, and as modulators of protein function or pathways associated with disease. In addition, we will cover the use of chelator–metal complexes for increasing essential metal absorption. Important areas also include recent advances on the molecular, pharmacological, toxicological and other properties of chelating drugs, as well as new mechanisms of action, posology and interactions with other drugs. Such information is pivotal for designing therapeutic strategies for the effective treatment of millions of patients with many diseases such as thalassaemia, cancer and neurodegenerative diseases. In this context, improved therapeutic strategies could be developed and adopted based on combination therapies, target-specific and prodrug design methods and other aspects that can fulfil personalised medicine characteristics.

Guest Editor

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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.

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