

## 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.

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### Guest Editor

Prof. Dr. George J. Kontoghiorghes

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### Deadline for manuscript submissions

closed (30 November 2021)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

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