Special Issue

Evaluation of the Potential Biological Activity of Metallo-Drugs, 2nd Edition

Message from the Guest Editor

Dear colleagues,

Cancer remains the second leading cause of death worldwide, following cardiovascular diseases. Among various therapeutic approaches, transition metal complexes have attracted significant attention for their application in chemotherapy. To date, the most successful example of such complexes is cisplatin, a platinum(II) complex that has become a cornerstone in the treatment of various cancers.

Despite its proven efficacy, the clinical use of cisplatin is limited by severe side effects and the development of drug resistance. These drawbacks have prompted researchers to design new platinum-based complexes with structural similarities to cisplatin. Current research efforts have expanded to include complexes of other transition metals, such as palladium(II), gold(III), ruthenium(II), osmium(II), rhodium(III), and copper(II).

The aim of this Special Issue of Inorganics entitled "Evaluation of the Potential Biological Activity of Metallo-Drugs, 2nd Edition" is to highlight recent advances in the design, synthesis, and biological evaluation of transition-metal-based compounds with potential anticancer properties.

Guest Editor

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

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