Special Issue

Bioactivity of Transition Metal-Based Complexes

Message from the Guest Editors

The application of transition metal complexes in chemotherapy is well established. Cisplatin is the first cytostatic drug based on a metal ion used in the treatment of various types of cancers. However, serious side effects and drug resistance can occur during its clinical application. Thus, huge efforts are being made in the development of metal-based complexes in order to design the compound with a superior pharmacological response, as compared to cisplatin. In recent years, numerous complexes of platinum, palladium, ruthenium, gold, rhodium, osmium, iridium, zinc, copper, and other transition metals with significant antitumor activity against various carcinogenic cells in vitro and in vivo have been synthesized. In this Special Issue, we wish to address the most recent advances in the field of transition metal-based complexes and their potential clinical use by hosting a mix of original research articles and short critical reviews.

Guest Editors

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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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