

Special Issue

A New Generation of Metal Anticancer Drugs

Message from the Guest Editor

This Special Issue will explore advancements in the design and development of new metal-based anticancer drugs, focusing on optimizing therapeutic potential while minimizing toxicity. Metal-containing compounds, such as platinum-based drugs (e.g., cisplatin) and emerging metal complexes, have shown promise in cancer treatment, but their chemoresistance and side effects often pose challenges. In designing novel metallodrugs, addressing issues related to bioavailability, stability, resistance, and side effects is crucial.

This Special Issue will also explore novel drug delivery systems, including nanoparticles, liposomes, and conjugated formulations, which enhance solubility, targeting specificity, and controlled release of metal-based agents. It will address the pharmacokinetics and pharmacodynamics of metal-based drugs, focusing on improving tissue distribution and tumor accumulation.

Researchers and pharmaceutical scientists are invited to contribute insights into formulation design, characterization, and clinical translation of metal-based anticancer therapies, aiming to provide safer and more effective treatment options for cancer patients.

Guest Editor

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