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Metal-Based Drugs

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Message from the Guest Editors

Metals have been considered for millennia to have medicinal values, and with the advent of modern medicine, numerous metal-based drugs have proven to be highly effective in clinical settings. Many different metal ions have shown activity against a range of diseases, beyond their well-known applications in cancer (cisplatin) or rheumatoid arthritis (auranofin). The widespread medicinal applications of metal-based compounds have captured the attention of the scientific community in recent years for the variety of compounds studied owing to their wide spectrum of reactivity and the width of their applications in medicinal chemistry for the synthesis of chemotherapeutic and diagnostic molecules not readily accessible to organic compounds.

This Special Issue will cover a selection of recent research and review articles to collect and disseminate some of the most significant and recent contributions in the field of metals used in medicine, highlighting their pharmacological applications in several diseases, such as cancers, diabetes, osteoporosis, and as diagnostic agents.



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Special Issue



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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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