

Special Issue

Anti-Cancer Agents: Synthesis and Evaluation of Pharmacological Activity

Message from the Guest Editor

The search for effective and selective anticancer agents remains a primary challenge in drug discovery and development. Chemotherapy, a mainstay in cancer treatment, often suffers from drawbacks such as poor selectivity, drug resistance, and severe side effects. As such, there is a growing need to develop novel compounds that can efficiently target cancer cells while sparing normal tissues. This Special Issue focuses on the synthesis, characterization, and pharmacological evaluation of new anticancer agents, emphasizing small molecules, natural products, metal complexes, and hybrid compounds. The contributions aim to showcase the latest progress in designing compounds with enhanced antiproliferative activity, reduced toxicity, and improved selectivity against various cancer types. Together, these investigations underscore the significance of rational drug design and extensive biological evaluation in developing effective anticancer agents. This Special Issue aims to provide important insights and foster future innovations in the field of anticancer drug discovery.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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