

Special Issue

Synthesis and Activity Studies of Anticancer Compounds

Message from the Guest Editor

The versatility of factors that can influence the outcome of oncological treatment, e.g., time of detection, the nature of cancer cells, genetic mutations, and the patient's health condition, positions malignant tumours as the leading cause of death worldwide. The search for potent, selective, and clinically promising anticancer agents is one of the most active areas in medicinal chemistry and pharmaceutical science. Efforts are undertaken to construct structurally diverse scaffolds (e.g., small molecules, natural product derivatives, and metal complexes), evaluate the structure–activity relationship, to identify how specific functional groups or stereochemistry influence cytotoxicity, and explore the specific mechanisms of action including targets and pathways, such as apoptosis induction, cell–cycle regulation, kinase inhibition, and modulation of redox balance. This Special Issue is supervised by and assisted by Dr. Magdalena Obieziurska-Fabisiak. This Special Issue aims at highlighting recent advances in the design, chemical modification, and biological evaluation of molecules that may serve as potential next-generation chemotherapeutics.

Guest Editor

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