

Tentative Outline

Special Thematic Issue for the journal :
“Current Pharmaceutical Design” (CPD)

Title of the Thematic Issue

“CURRENT DESIGN OF NEW ANTINEOPLASTIC DRUGS”

Section Editor: Dr. Antonio Ruggiero

Scope of the Thematic Issue:

Current research offers exciting opportunities due to the simultaneous possibility of new drug design in addition to the growing number of new therapies and diagnostic means for cancer by generating new perspectives on the future directions of anticancer therapeutics. Resistance to anticancer drugs has become a major limitation to the success of chemotherapeutic agents and, therefore, the discovery of new molecular pathways and the development of new anticancer drugs for clinical use are extremely challenging. Research on anticancer drugs covers a wide area of research and includes natural products, design and synthesis of new molecular drugs, molecular modeling, computational techniques, and development of molecular and biochemical assays.

This special issue highlights both challenges and opportunities in the discovery and development of new cancer drugs by presenting recent discoveries and trends in the design, synthesis, mechanism of action, and therapeutic applications of cancer drugs.

All this serves to show the direction and potential of future research in the application of innovative anticancer therapies.

Keywords: cancer, drug, nanotechnology, small molecule inhibitors, drug delivery, early drug development, precision medicine

Sub-topics:

- translational studies to define biomarkers of cancer therapy
- tumor immunotherapy
- histology-agnostic targeted therapeutic agents

Schedule:

- Thematic issue submission deadline: **31 march 2024**

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