# Special Issue

# New Techniques and Applications in Cancer Drug Discovery and Therapies

## Message from the Guest Editor

The past two decades have seen impressive advances in the life sciences field, with many emerging technologies that play important roles in uncovering new molecular targets for cancer diagnosis and treatment. These technologies include multiple "Omics" techniques, as well as novel biological detection systems. With these tools, researchers can detect small molecules that are difficult to detect with traditional systems. This Special Issue welcomes original research articles and reviews focused on the multiple aspects of new technologies in cancer biology. Below is a list of potential sub-topics:

- Innovative techniques for researching molecular targets.
- New models for studying cancer diagnosis and treatment.
- Recent advancements in drug screening.
- Medicinal chemistry approaches for cancer prevention, diagnosis, and treatment.
- In silico techniques of drug–target interactions in assessing anti-cancer drugs.
- Strategies for synthesizing and developing anti-cancer drugs based on their underlying biology and medicinal chemistry.
- Development of novel molecules related to a specific target or target class for anti-cancer drugs.
- Drug repositioning in cancer treatment.

## Guest Editor

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## Deadline for manuscript submissions

closed (20 April 2025)

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# About the Journal

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Editor-in-Chief

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