

Special Issue

Anticancer Drugs: Current Status and Future Directions

Message from the Guest Editor

Progress has undoubtedly been made in our understanding of the basis of cancer, leading to the development of new anticancer drugs. However, recent statistics report nearly 20 million cancer cases worldwide, with a mortality rate of almost 50%. These figures highlight the need to develop new anticancer agents with innovative pharmacological targets and a favorable selective index. Although it may be challenging, new approaches should be explored alongside traditional methods, such as the synthesis of potential new antitumor compounds or their extraction from natural sources. Combining different antitumor medications could represent a promising strategy. Considering that hybrids have proven effective in administering and combining multiple drugs, hybrids of two or more anticancer agents could represent a valuable area of exploration. Nanoparticles synthesized with drugs have shown improved solubility and activity compared to original compounds; therefore, investigating the synthesis and evaluation of nanoparticles, either with drugs, their combinations, or hybrids, represents a key area of innovation.

Guest Editor

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