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Current Status and Novel Strategies for Treatment of Therapy-Resistant Cancers

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Message from the Guest Editor

Resistance to chemotherapy and radiotherapy severely limits the successful therapy of deadly diseases like cancer. Primary or acquired drug resistance remains a fundamental cause of therapeutic failure in cancer therapy. Chemo-sensitization to the therapy-resistant cells by non-toxic phytochemicals or identifying/synthesizing effective nontoxic molecules could be an excellent alternative to combat therapy-resistant cancers. One important aspect of current discovery program is that recent advances have focused on developing and introducing phytochemical interventions as good therapeutic options against severe diseases. Studies have also suggested some side effects of phytochemicals. The administration of phytochemicals enhances therapeutic efficacy by enhancing intracellular ROS accumulation. In contrast, the same ROS-scavenging phytochemicals, under certain conditions, may harm ROS-dependent cancer treatments. Thus, this Special Issue will collect all the relevant updates and covers all aspect of cancer treatments, especially chemoresistant cancers.



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Special Issue



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Message from the Editor-in-Chief

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