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Natural Compounds in Cancer Therapy–Volume II

Guest Editor:

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Message from the Guest Editor

Cancer remains the second leading cause of death, and most of the drugs (60%) currently in use for primary prevention of cancer (chemoprevention) are accomplished or inspired by phytochemicals. Therefore, research on natural products is still a valuable approach to compounds with unique structures and mechanisms of action. Some of them, previously not used because of lack of selectivity, have been brought back from oblivion via conjugation with monoclonal antibodies.

Phytochemicals are involved in the prevention and reversal of the carcinogenic process through multiple signal transduction pathways: inhibiting ROS production, NF- κ B activation, angiogenesis, AP-1 and COX-2, regulating Stat3 and MAPKs pathways, and inducing cell cycle arrest and apoptosis.

Therefore, there are plenty of opportunities for research in this field.



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Special Issue



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Message from the Editor-in-Chief

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