

Special Issue

Role of Phytochemicals in Cancer Chemoprevention and Therapeutics

Message from the Guest Editor

The success of using natural agents to protect high-risk populations from cancer indicates the rationality of this approach. Dietary components such as CAPE, cucurbitacin B, isoflavones, catechins, lycopenes, benzyl isothiocyanate, phenyl isothiocyanate, and piperlongumine or capsaicin (and many others) have demonstrated inhibitory effects on cancer cells, while protecting healthy cells, indicating that they may serve as chemopreventive agents. Research on the activity of bioactive components cell signaling pathways (PI3K/Akt/mTOR, JAK/STAT, Fas, NF- κ B, STAT3, MAPK, TNF, AMPK, Wnt/ β -Catenin, Notch, mTOR, TRAIL, will be discussed in this Special Issue. This Special Issue is dedicated to original research articles, short communications, and reviews related to the following topics, which cover the latest findings in the role of phytochemicals (and their activity mechanisms) in the prevention and treatment of cancer Molecular influence of phytochemicals on carcinogenesis mechanism; Chemoprevention by using phytochemicals. Protective role of phytochemicals and their extracts; Mechanism of anti-cancer activity of phytochemicals.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

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