

## Special Issue

# Plant Derived Anti-Cancer Bioactive Molecules

### Message from the Guest Editor

To date, at least 78 plant-derived compounds, also called phytochemicals, have been found to show anti-cancer activity. These include alkaloids, flavonoids, terpenes, isoflavones, and phenols. Some of these compounds have been successfully used in current treatment regimens and some are still under investigation for use in cancer cell lines. The antiproliferative activity of bioactive molecules is also associated with their inhibition of certain intracellular signaling pathways that play a key role in development and maintenance of cancer cells. Moreover, natural molecules, due to their relatively low toxicity compared to synthetic compounds, are currently an attractive therapeutic target in cancer treatment.

This Special Issue of the International Journal of Molecular Sciences is dedicated to all research types, including both original and review articles, exploring new or already known plant-derived anti-cancer compounds with special attention paid to their mechanisms of action in cancer cells and their safety profile.

### Guest Editor

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closed (20 May 2025)



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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.

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### Editor-in-Chief

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