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Natural Products Based Anticancer Drugs

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Message from the Guest Editors

The study of the anticancer potential of natural origin substances is a legitimate research direction. Indeed, plant-derived compounds, such as paclitaxel, vincristine, or those produced by the bacteria doxorubicin, are still used in treating various neoplasms. An increasing number of studies show that natural origin substances act by regulating molecular pathways, which are implicated in the growth and progression of cancer. Therefore, they represent a promising strategy to complement conventional cancer treatments.

This Special Issue aims to disseminate the results of research on natural origin substances (compounds and characterized extracts) that may be of legitimate importance in developing new drugs for antitumor therapy. The aim is to identify new agents against human cancers and evaluate their mechanisms of action. Research into new pharmaceutical formulations based on natural origin, anticancer, biologically active substances is also a valuable approach for the progress of novel anticancer drugs. Hence, we welcome original research and review articles focused on the anticancer potential of natural substances in regard to their use as an anticancer drug.



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Special Issue



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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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