

Special Issue

Natural Bioactives on Cellular Mechanisms: Cell-Survival and Apoptosis

Message from the Guest Editor

Natural bioactives, such as polyphenols, terpenes, and alkaloids, have been described as modulators of several biochemical pathways involved in cell survival and apoptosis. These molecules may have a relevant role modulating cell proliferation, by regulating specific targets, acting as anticancer natural drugs, or favoring cell repair. The boundary between what are the bioactive molecules with an anticancer potential and toxicity is very weak; hence, there is a need to identify the molecular targets of natural bioactives, aiming to validate their potential effect. This Special Issue aims to cover a selection of research papers and reviews that expands and deepens the knowledge regarding the cellular molecular targets of natural bioactives described as having an anticancer activity. Therefore, we sincerely welcome studies reporting the action of natural compounds as novel anticancer agents, emphasizing the mechanisms of action, the molecular targets, active substance verification *in vivo* and *in vitro*, and new experimental approaches to enhance their efficacy.

Guest Editor

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