

Special Issue

Effects of Natural Bioactive Compounds on Cellular Responses

Message from the Guest Editor

Natural bioactive compounds are biologically active molecules that have the potential to affect positively or negatively the cell activity. These compounds comprise a plethora of molecules produced by living organisms, such as plants, fungi, bacteria, marine organisms, and reptiles; that target specific cellular components, changing cell and organ behavior. The response of cells challenged by these molecules can occur through their modulating action on various cellular pathways, resulting in toxicologically or pharmacologically relevant effects. Among the relevant effects, we highlight the anti-inflammatory, antimicrobial, anticancer, antioxidant, and neuroprotective actions, but others could be mentioned. Discovering these natural molecules, as well as understanding the specific changes they induce in target cells, is a major challenge in the search for new therapeutic molecules.

We cordially invite authors to contribute original articles, as well as reviews, that bring new insights into the characterization of specific cellular responses promoted by the action of natural bioactive compounds.

Guest Editor

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