

Special Issue

Bioactive Compounds from Various Sources: Beneficial Effects and Technological Applications

Message from the Guest Editor

Bioactive compounds are substances capable of positively influencing health and contributing to the prevention of different diseases. These compounds, extracted and characterized by various techniques, mostly originate from plant (phytochemicals), but also animal and, more recently, they have also been extracted from waste material.

Bioactive compounds are substances capable of modulating biological activities and important physiological functions, including some of the following multiple effects: antioxidant and anti-inflammatory activity, modulation of detoxification enzymes, stimulation of the immune system, modulation of hormonal metabolism, antibacterial and antiviral activity, and antiproliferative activity. Therefore, studies on these compounds will be able to provide further evidence of their functions and mechanisms of action in physiological and/or pathological conditions, allowing their use in various fields, such as food, pharmaceutical, cosmetic, and herbal.

Guest Editor

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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