Special Issue

Recent Advances in Artificial and Natural Antioxidants for Food

Message from the Guest Editor

Many antioxidants are found in nature, such as ascorbic acid, sulfur dioxide, lecithins, and tocopherols, and are generally harmless, while artificial ones are chemically produced in the laboratory. However, in many cases, a complete documentation of the latter's effects on human metabolism is lacking. In any case, the importance of both natural and artificial antioxidants has led to numerous lines of research in various sectors, ranging from the extraction of these compounds from various food matrices, especially those of vegetal origin, including waste from the agri-food sector, thus promoting the circular economy, to aspects that concern their synthesis and the use of nanotechnologies in their delivery. The ultimate aim is to improve the quality of food and consequently generate beneficial effects for health. Therefore, all manuscripts focusing on these research areas will be welcome in this Special Issue. And the keywords of this Special Issue include:

- oxidation
- free radicals
- beneficial effects
- rancidity
- browning
- alteration of aroma
- food waste
- circular economy
- nanotechnology
- extraction techniques

Guest Editor

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Message from the Editor-in-Chief

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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