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Antioxidants in Essential Oils

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Deadline for manuscript submissions:

closed (31 October 2017)

Message from the Guest Editor

Dear Colleagues,

Essential oils (EOs) are a mixture of compounds present in aromatic and medicinal plants, which, due to their content in bioactive compounds, mainly terpenes, monoterpenes, and sesquiterpenes, are responsible for many functional properties; principally antioxidant activities. The use of EOs as natural antioxidants is an arena of growing interest due to some synthetic antioxidants, such as BHA and BHT are now suspected to be potentially injurious to human health. The use of EOs as potential ingredients in food products, or their use in active packaging and edible films, could so represent a valid alternative to prevent autoxidation and prolong shelf-life of food stuffs. Additionally, it should be kept in mind that the main advantage of EOs is that they can be used in any food and are generally recognized as safe (GRAS). The assessment of the effects of high doses of some EOs on foods, as well as cost and odors created by high concentrations of these materials, should also be seriously considered.

We invite papers focused on issues related to antioxidants in essential oils, approached from different fields of knowledge.



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Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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