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Antioxidant Strategies for Food Emulsion Systems

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Deadline for manuscript submissions:

closed (20 March 2024)

Message from the Guest Editors

Emulsions are colloidal dispersions composed of at least two immiscible liquids. A wide variety of food products consist of emulsion systems. One of the major constraints for the application of emulsions in foods is their oxidative instability. In this context, several strategies have been addressed to increase the oxidative stability of food emulsion systems. However, many antioxidant compounds are chemically unstable and exhibit variable water/oil solubility, reducing their antioxidant efficacy.

We invite you to submit manuscripts addressing recent advances in antioxidant strategies for food emulsion systems are welcome. In this context, contributions focused on the application of novel antioxidant compounds or antioxidant extracts from novel plant sources, role of the antioxidant localization in emulsion systems, design of interfaces, role of interactions between emulsifiers or between emulsifiers and antioxidants, application of optimized emulsification methods, among others, will be considered. Furthermore, studies focused on the oxidation mechanisms, antioxidant mechanisms and novel methods for evaluation of lipid oxidation in food emulsions are also welcome.



mdpi.com/si/183721

Special Issue



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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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