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Essential Oils: Chemistry and Food Applications

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Deadline for manuscript submissions:

closed (31 July 2023)

Message from the Guest Editors

Over the last years the crucial role played by essential oils in several areas has been demonstrated. Concerning food applications, food industries have been using extracts of aromatic plants and essential oils due to their abilities to control the growth of pathogenic microorganisms, and understanding the mechanisms behind said effects (antimicrobial, antioxidant and antifungal) and their interactions is essential. The various properties of essential oils offer the possibility of using natural, safe, eco-friendly, cost-effective, renewable, and easily biodegradable antimicrobials for food commodity preservation in the near future. With this Special Issue, we aim to categorize the state-of-the-art concerning scientific research on essential oils, including their applications as compounds of added value in Food Industry.

Presenting a very broad scope, this Special Issue welcomes full papers, short communications, and review articles on the isolation, structure elucidation, and chemical characterization of essential oils for application in food industry; biological activities namely antimicrobial and antioxidant applications in food safety are also covered.



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Special Issue



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Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

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