

Special Issue

Food Volatilomics: Separation and Extraction of Food Aromatic Compounds

Message from the Guest Editor

Volatile compounds play a major role in food, contributing to its sensory quality and health properties. Aroma volatiles provide the essence of food flavor, determining characteristic organoleptic attributes and significantly affecting food quality, as well as hedonic properties and acceptance by consumers. Volatile secondary metabolites grant food and medicinal plants alike their health-related bioactivities and account for their beneficial nutritional and well-being effects. Owing to their unique features and immense variability, interest in volatiles is increasing rapidly as we come to acknowledge their merit for food and health and endorse their potential uses, e.g., as natural flavors and fragrances (e.g., essential oils), as nutraceuticals, or as food quality and authentication parameters. In the current issue, we aim to discuss novel methods for extraction, isolation, and purification of volatile compounds, alongside innovative applications of volatile natural products from food and medicinal plants, to benefit the food or nutraceuticals and nutritional additives industries.

Guest Editor

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Deadline for manuscript submissions

closed (10 March 2024)



Separations

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Impact Factor 2.7
CiteScore 4.5



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