

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

Dr. Zipora Tietel

Food Science, Agricultural Research Organization, Volcani Institute, Negev 8531100, Israel

Deadline for manuscript submissions

closed (10 March 2024)



Separations

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 4.5



mdpi.com/si/118094

Separations
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
separations@mdpi.com

[mdpi.com/journal/
separations](https://mdpi.com/journal/separations)





Separations

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 4.5



[mdpi.com/journal/
separations](https://mdpi.com/journal/separations)



About the Journal

Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

Prof. Dr. Frank L. Dorman
Department of Chemistry, Dartmouth College, Hanover, NH 03755,
USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Analytical Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).