

## Special Issue

# Separation Technology in the Analysis of Biogenic Volatile Organic Compounds

### Message from the Guest Editor

For decades, Volatile Organic Compounds (VOCs) have been of great interest within the worldwide research community. They are organic compounds of natural or anthropogenic origin with very high vapor pressure and low boiling points. Biogenic VOCs are mainly emitted by plants, but they also can be emitted by animals and microorganisms. They are involved in communication between animals and plants. The branch of chemistry that studies VOCs is known as “Volatilomics”. This Special Issue focuses on the methods employed in the isolation, separation and identification of VOCs related to biological systems. Manuscripts should focus on—but are not limited to—the following topics:

- Sampling and preconcentration techniques, such as sorbent enrichment, membrane extraction and headspace techniques.
- Miniaturized trapping devices.
- Novel isolation techniques, such as ultrasound-assisted extraction, microwave-assisted solvent extraction, supercritical fluid extraction or subcritical water extraction.[...] For further reading, please follow the link to the Special Issue Website at:  
<https://www.mdpi.com/journal/separations>

[/special\\_issues/Separation\\_Volatile](https://www.mdpi.com/journal/separations/special_issues/Separation_Volatile)

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### Guest Editor

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### Deadline for manuscript submissions

closed (30 April 2023)



## Separations

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## 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.

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### Editor-in-Chief

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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).