

## Special Issue

# Volatile Compounds Emitted by Flowers: Extraction, Identification, and Application

### Message from the Guest Editor

Numerous volatile organic compounds (VOCs) with a large chemical diversity are emitted by plant flowers. More than 1700 volatile compounds have been identified and can be classified in the following categories: terpenoids, phenylpropanoids, fatty acid and amino acid derivatives, various compounds containing sulfur, as well as furanocoumarins and their derivatives. Floral scent therefore not only has a role in several eco-physiological processes, but also enhances the aesthetic character of ornamental plants and is widely used in the perfume and fragrance industry, in the food industry, and in cosmetics. This Special Issue of *Plants* will highlight the isolation/extraction methods, chemical diversity of plant volatiles emitted by flowers in plants, and applications including their role in the interactions of plants with their environment.

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### Guest Editor

Prof. Dr. Patrick Meffre

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### Deadline for manuscript submissions

closed (20 April 2024)



## Plants

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### Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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### Editor-in-Chief

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