



Plant Volatile Organic Compounds: Revealing the Hidden Interactions

Guest Editors:

Dr. Farhat Abbas

College of Horticulture, South
China Agricultural University,
Guangzhou 510642, China

Dr. Brian Farneti

Research and Innovation Centre,
Fondazione Edmund Mach,
38010 San Michele all'Adige, Italy

Deadline for manuscript
submissions:

closed (31 October 2024)

Message from the Guest Editors

Plants volatiles are synthesized in every part of the plant, including the roots, seeds, stems, leaves, and fruits, but the flowers give off the highest amount as well as the widest variety of Volatile organic compounds (VOCs). VOCs and color compounds are among the most well-known plant-specialized metabolites. VOCs are required for interacting with other organisms in mutualistic (e.g., attracting beneficial insects such as pollinators) or hostile interactions both below and above ground (e.g., warning against pathogens and herbivores).

This Special Issue aims to attract up-to-date contributions on all aspects of VOC chemistry (from challenges in their isolation and analysis to their synthesis) and on unlocking their biological activities or other useful properties.

- volatile organic compounds
- biosynthesis and emission
- VOCs in plant–plant and plant–environment interaction
- VOCs in insect/microbe/pathogen/signaling mechanism
- novel approaches in volatile isolation/analysis/synthesis
- fruits/food and beverages
- essential oils
- biological activities
- application of omics technologies





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Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

Message from the Editor-in-Chief

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Plants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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