

Special Issue

Biosynthesis, Function, and Application of Plant Volatiles II

Message from the Guest Editors

Plant synthesis involves a large number of volatile compounds. These small, chemically diverse metabolites give plants fragrance and serve multiple functions in the reproduction of plants and their protection from environmental stress. They also act as protectors to repel herbivores and pathogens, protecting plants from abiotic stress and activating resistance traits in neighboring plants via airborne plant–plant signaling. Besides their function in ecosystems, plant volatiles play important roles in many traits of human behavior and are widely applied in the pharmaceutical, nutritional, and industries. The goal of this Special Issue of *Plants* is to provide insightful and critical advances in the field of biosynthesis, function, and application of plant volatiles. This includes research and reviews. Reviews should discuss the experiments or technical constraints needed to advance the field, including suggestions of novel approaches to discover missing links and speculations that go beyond current knowledge but based on sound science. Research papers should highlight new developments and directions that would advance the field.

Guest Editors

Prof. Dr. Sheng-Yang Wang

Department of Forestry, National Chung Hsing University, Taichung 402, Taiwan

Dr. K.J. Senthil Kumar

Center for General Education, National Chung Hsing University, Taichung-402, Taiwan

Deadline for manuscript submissions

closed (30 June 2023)



Plants

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Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



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

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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.

Editor-in-Chief

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

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