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Biosynthesis, Function, and Application of Plant Volatiles II

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submissions:

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Message from the Guest Editors

Dear Colleagues,

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.



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Special Issue



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Message from the Editor-in-Chief

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