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Plant Volatile Organic Compounds

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Message from the Guest Editor

Dear Colleagues,

Plants emit complex mixtures of low molecular weight volatile molecules containing nitrogen and aromatic compounds named volatile organic compounds (VOCs). These airborne compounds are constitutively released or synthesized in reaction to biotic and abiotic stimuli and perform different ecological functions, such as protecting plants from extreme environmental conditions, attracting pollinating insects, recalling predators of arthropods or herbivorous parasites and communication among plants. This Special Issue will contain articles on the chemical biology, organic chemistry and pharmacology of VOCs. Furthermore, particular attention will also be given to the chemical analytical aspects of the VOCs.

Dr. Andrea Mastinu

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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