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Advancing the Use of Plant Volatile in Biological Control of Insects and Weeds

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Message from the Collection Editors

Dear Colleagues,

Plants emit a plethora of volatile organic compounds, either constitutively or because of biotic interactions with microorganisms and herbivores. Such volatiles serve as host recognition cues (kairomones) for herbivores or host habitat cues (synomones) for their natural enemies. Volatiles hold great potential for sustainable pest and weed management; however, there is a large gap between fundamental knowledge and the application of plant volatiles. This Topical Collection highlights new research with a focus on how plant volatiles could be applied in classical, augmentative, and conservation biological control.

Prof. Dr. Michael Rostás
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Topical Collection