Topical Collection

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

Message from the Collection Editors

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.

Collection Editors

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Message from the Editor-in-Chief

Arthropods are a diverse and abundant group of animals that are important to a variety of research dictates. For example, hexapods act as bio-indicators of ecosystem function and pest status and serve as model systems for questions concerning physiology, embryology, genetics, and social interaction. The editorial board and staff at Insects is committed to providing contributors an open access forum to showcase objective and innovative research as well as succinct review articles. Our journal is dedicated to providing timely and thorough review of qualified submissions and we welcome you to submit a contribution.

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