



Application of Plant Extracts in Pest Control

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Message from the Guest Editors

Dear Colleagues,

Plant extracts and essential oils (EOs) have gained recognition as environmentally friendly and effective solutions for pest management. These plant extracts and EOs offer advantages such as low toxicity, minimal residue, affordability, easily degradable, and high safety for human health. Most phytochemicals from herbs and woody plants are alkaloids, flavonoids, lignans, phenylpropanoids, quinoids, tannins, terpenoids, steroids, saponins, glycosides, or volatile oils responsible for their biological activities. The extraction of phytochemicals with insecticidal activity from plants is one of the important developments of natural product research.

This Special Issue aims to explore more plant essential oils and extracts with insecticidal activity to isolate and identify chemical substances with specific insecticidal activity, the development of effective pesticide formulations and non-target effect studies, as well as the latest progress in field applications. The mechanism of action of plant extracts will also be considered.





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Message from the Editor-in-Chief

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