

Chemical Compositions and Biological Activities of Essential Oils

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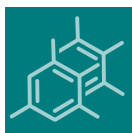
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Message from the Guest Editors

Over the past years, interest in botanical insecticides has increased as a result of environmental concerns and insect populations becoming resistant to conventional chemicals. To defend themselves against herbivores and pathogens, plants naturally release a variety of volatiles including various alcohols, terpenes, and aromatic compounds. Essential oils from different plant species possess ovicidal, larvicidal, and repellent properties against various insect species and are regarded as environmentally compatible pesticides. In spite of the widespread recognition that plant essential oils and/or their constituents are reported as safe products for users and the environment, few pest control products based on plant essential oils have appeared in the market place. This Special Issue will publish contributions on aspects of essential oils as natural insecticides, as well as the development of new systems (i.e., polymers entrapping EOs) that can inhibit the growth and infection of crops by phytopathogens. Reviews, original research, and articles that make substantial advances within this field are invited to contribute to this editorial project.





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Message from the Editor-in-Chief

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