

Special Issue

Emerging Topics in Botanical Biopesticides

Message from the Guest Editors

Many plants produce secondary metabolites that evolved along with the development of insects, and they have various defence functions against phytophagous insects. Many of these natural products are useful as insecticides or fungicides and as manipulators of insect behaviour. Furthermore, these compounds are known to be safe for the environment and human health.

Secondary plant metabolites, especially essential oils or their individual components, could be a natural source for the design of biopesticides. On the other hand, biological interactions, such as those that occur between plants and microorganisms, are a source of new natural products that can be used for the control and management of insect pests. It is also important to be familiar with the regulation and legislation that may exist or arise as these new products are applied. Finally, it is important to consider economic aspects, such as the cost of production and storage, etc., which would arise from the use of these new botanical pesticides. Nowadays, essential oils already have an international market and cultivation areas.

Guest Editors

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