



Integrated Pest Management and Risk Assessment of Biopesticides

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Message from the Guest Editor

Synthetic pesticides constitute an integral part of modern agriculture. Regardless, there are growing concerns about their frequent detection in natural resources.

The development of alternative active substances for the control of crop pests and their implementation in Integrated Pest Management strategies have been encouraged to address these concerns. Biological pest control agents can contribute to the development of new integrate pest control strategies, as they generally pose little health or environment risk and can have good compatibility with many beneficial invertebrates used in integrated pest control methods.

Ecosystems are important for regulating pests and vector-borne diseases that attack plants. There is need to assess the ecosystem impacts associated with the release of any of these low-risk biopesticides and develop specific methods of determining their possible non-target effects. Adequate monitoring and the use of molecular techniques to identify and follow the movement of biological products are needed to examine and mitigate the potential negative biological impacts.





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