



Insecticide Toxicology and Resistance Mechanisms in Agricultural Pests

Guest Editor:

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Message from the Guest Editor

Agriculture invites submissions for a Special Issue focusing on "Insecticide Toxicology and Resistance Mechanisms in Agricultural Pests". This topic is pivotal in understanding the dynamics of pest management and the sustainability of agricultural practices. This Special Issue aims to delve into the intricate interplay between insecticide toxicology and the development of resistance mechanisms in agricultural pests. We seek contributions that explore the molecular and physiological aspects of insecticide toxicity, encompassing mechanisms of action, metabolic pathways, and potential impacts on non-target organisms. Additionally, we aim to unravel the mechanisms underlying the emergence and spread of resistance in pests, including genetic mutations, metabolic detoxification, and behavioral adaptations. We welcome original research articles, reviews, and perspectives shedding light on various dimensions of insecticide toxicology and resistance mechanisms. Topics of interest include ecotoxicological effects of insecticides, novel strategies to mitigate toxicity, and innovative approaches to combat insecticide resistance.





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Message from the Editor-in-Chief

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