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Identification and Characterization of Receptors for Bacillus thuringiensis Pesticidal Toxins

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The aim of this Special Issue is to gather information that will expand the of knowledge of the molecules that act as functional receptors of the different pesticidal Bt proteins. Additionally, we welcome studies that characterize whether different Bt proteins which are toxic for a target pest share the same binding sites, even if the molecular identities of these binding sites are still unknown, as they are valuable to predict risks of cross-resistance among these proteins. We are also interested in studies on the alterations in receptor proteins that limit their functionality, leading to resistance to the corresponding Bt proteins. Understanding the mechanisms developed by susceptible hosts to counteract the toxic effects of Bt proteins can help scientists to design better strategies to maintain the long-term efficiency of Bt-based products.

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