

Special Issue

Recent Advances in *Bacillus thuringiensis* (Bt) Insecticides and Bt Crops: Challenges and Opportunities

Message from the Guest Editors

This Special Issue is dedicated to the multifaceted role of *Bacillus thuringiensis* (Bt) in sustainable agriculture, emphasizing its significance as a biological insecticide and a cornerstone of modern pest control strategies. Bt is renowned for its high specificity, primarily due to its insecticidal toxins, which effectively target a broad range of agricultural pests without harming beneficial organisms or natural predators. Additionally, Bt crops—genetically modified plants that express Bt toxins—are the most widely grown GM crop in agriculture, underscoring their importance in conventional farming systems. This Special Issue covers the latest advancements in Bt research, including the development of new Bt strains and Bt crops, the molecular mechanisms underlying the mode of action of Bt toxins, Bt resistance management, and the ecological impact of Bt applications. By bringing together the most recent studies and expert insights, this Special Issue aims to provide a comprehensive overview of the current status and future directions of Bt technology in global agriculture.

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Message from the Editor-in-Chief

Arthropods are a diverse and abundant group of animals that are important to a variety of research dictates. For example, hexapods act as bio-indicators of ecosystem function and pest status and serve as model systems for questions concerning physiology, embryology, genetics, and social interaction. The editorial board and staff at Insects is committed to providing contributors an open access forum to showcase objective and innovative research as well as succinct review articles. Our journal is dedicated to providing timely and thorough review of qualified submissions and we welcome you to submit a contribution.

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