



Current Status, Challenges, and Prospects of Biopesticides

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Deadline for manuscript
submissions:

closed (31 August 2021)

Message from the Guest Editors

Various pests, including arthropods, nematodes, pathogens, and weeds, cause significant crop damage warranting the use of pesticides, among other options, to suppress their populations. With the increased emphasis on sustainable crop production, research on developing various biopesticide formulations and their use in commercial crop production has been gradually increasing in the past few years. While the market for the biopesticides is projected to grow continuously, there is a need for understanding the modes of action of various biopesticide active ingredients, efficacy of the commercial formulations against various pests under diverse farming conditions, their interaction with other farming practices, their storage and handling, as well as their compatibility with other agricultural inputs, and strategies for improving their efficacy.

We would like to invite manuscripts based on original research or reviews of recent developments to this Special Issue intended to improve our knowledge of biopesticides and their role in promoting sustainable crop production around the world.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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