

Special Issue

Plant Extracts and Essential Oils: Biocontrol Approaches for Pest, Disease, and Weed Management

Message from the Guest Editor

In agricultural production practices, common issues such as crop diseases, insect pests, and weeds are often addressed through control measures including manual and chemical methods. Manual control is time-consuming, labor-intensive, and prone to recurrence, while chemical control not only poses risks of environmental pollution but also often induces resistance and results in unsatisfactory outcomes. With growing emphasis on sustainable agricultural development, the use of natural products for biological control has emerged as a new trend in the modern management of crop diseases, pests, and weeds. We invite original research, reviews, short communications, and case studies on a broad range of topics focusing on the utilization of natural substances as biocontrol agents in agricultural practice for the purpose of controlling pests, pathogens and weeds. This Special Issue aims to provide insights into the current state of biocontrol in agriculture, offering valuable information for researchers and farmers that are interested in sustainable agriculture.

Guest Editor

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Message from the Editor-in-Chief

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