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Natural Compound to Biocontrol Agrarian Pests

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Message from the Guest Editor

Dear Colleague,

Agrarian pests include pathogenic fungi and bacteria that infect the host plants frequently causing their death, weed and parasitic plants, such as *Striga*, *Orobanche*, *Phelipanche*, and *Cuscuta*, which are root parasitic plants that acquire nutrients and water from their host causing significant harm, and insects that seriously damage or completely eat their hosts. Several management strategies have been applied to control the agrarian production, including mechanical, cultural, chemical, and biological strategies, but they have not provided a satisfactory solution to plant pest diffusion. The massive use of chemicals, including fungicides, bacteriocides, herbicides, and insecticides, differing widely with respect to their spectrum of action, unit activity, crop safety, toxicology, and environmental effects, has increased pest resistance; in addition, environmental and toxicological concerns raise questions over their large-scale use. These problems urge to focus on developing alternative strategies based on the use of natural products.

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Message from the Editor-in-Chief

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