



Integrated Control of Weeds in Vegetable and Field Crops

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Message from the Guest Editor

The plants are exposed to several biotic and abiotic stress factors which affect their growth and development, resulting in significant decreases in yield. Weeds are one of the most dangerous biotic stress factors that threaten plant productivity. Plants have many strategies to cope with the infestation of weeds through morphological, anatomical, physiological, biochemical, and molecular responses, to adjust and regulate the growth and development as well as improve the yield. Many efforts and studies have been made to control weeds, and the use of herbicides is one of the most important methods in weed control. However, more studies on herbicide toxicology, resistance, and new strategies for control such as allelopathic cultivars, plant extracts, and alternatives to herbicides are still required to achieve integrated weed control. The aim of this Special Issue concerns the integrated control of weeds in vegetable and field crops associated with morphophysiological, biochemical, and molecular changes in plants under weed infestation, as well as the resistance mechanisms of weeds to herbicides, which has not yet been studied.





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Message from the Editor-in-Chief

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