



Herbicide Resistant Weeds and Their Sustainable Management

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Deadline for manuscript
submissions:

closed (14 November 2023)

Message from the Guest Editors

Dear Colleagues,

Chemicals are the most popular and practical tools for managing weeds in agricultural crops and orchards. The selection of appropriate herbicides based on target weeds and the stages of weeds/crops, along with recommended rates and accurate application techniques, can facilitate effective weed control. In many cases, the problem of herbicide-resistant weeds in field crops has led to higher herbicide application rates and the use of active ingredients that persist for longer in the environment. This leads to both economic and environmental problems.

In this Special Issue of Sustainability, the aim is to collect a series of contributions on the detection and analyses (both at whole-plant and genetic levels) of new cases of herbicide resistance and, in particular multiple resistance, around the world. We would like to ask the authors to analyze possible causes (i.e., wrong management strategies), including, if appropriate, economic/social analyses that have led to the development of those unsustainable situations, and to focus the discussion on the implementation of possible management solutions.





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