

Special Issue

Herbicide Resistant Weeds and Their Sustainable Management

Message from the Guest Editors

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.

Guest Editors

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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