

Special Issue

Herbicides Toxicology and Weeds Herbicide-Resistant Mechanism

Message from the Guest Editor

Weeds have become an increasing threat to agricultural production. Weeds management heavily relies on herbicides and causes the consequent weed resistance to herbicides. Many efforts have been put into exploring herbicide toxicology and resistance mechanism, and many resistance mechanisms for reported resistance cases have been reported. However, more knowledge on herbicide toxicology and resistance is still needed to gain a better understanding of weed resistance when taking reasonable resistance management measures, as the resistance cases keep arising.

Our aim and scope concerns the biochemical and molecular mode of herbicides action, as well as biochemical and molecular resistance mechanisms of weeds to herbicides, especially the cutting-edge research on the molecular mode of action for novel herbicides and novel resistance mechanism for weeds to herbicides which had never been reported.

Topics of interest include: The molecular mode of action of novel herbicides; Target site-based resistance mechanism for novel resistance cases; Non-target site-based resistance mechanism for major weeds in crop system; Fitness cost of herbicide resistant weeds.

Guest Editor

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