

Special Issue

Herbicide Use: Effects on the Agricultural Environment

Message from the Guest Editors

Herbicides have been very important to societal development, allowing us to produce food, fiber, and energy for more than eight billion people. These products are distributed on plants or soil, penetrate plant cells, block plant enzymes, and compromise the metabolism of weeds. These products' ability to remain biologically stable and affect weeds may be related to environmental damage. Currently, agriculture is fundamentally dependent on the environment, and this is of importance, especially given the data on global warming.

The environmental damage caused by herbicides is sometimes unknown or unmeasured, and these products can often be misapplied, making application technology science deeply related to environmental protection. Other factors strongly affecting herbicides' behavior in the environment are the physical and chemical characteristics of the products, environmental conditions, water source protection practices, and tank mixtures.

In this issue, we invite researchers to submit research related to the above topics, including information on strategies to avoid, mitigate, or remedy the environmental damage caused by herbicides.

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