

Special Issue

Weed Management and Herbicide Efficacy Based on Future Climates

Message from the Guest Editors

Global climate change, which has shown a significant rate of acceleration in the last 20 years, results in very important changes in the biology of weeds, their associations, and the development of their damage in all agricultural zones of the Earth. Adapting to the changing environment, new plant biotypes appear and become significant pests in some areas. Nowadays, one of the biggest challenges of agricultural and forestry activities is adapting to climate change through the implementation of effective weed control. The latest weed control research directions already take into account the trends in the reduction in the active ingredients of classic herbicides, the growing problems of herbicide resistance, and the growing environmental protection expectations. We seek integrative studies that present the biological, physiological, and associative changes of significant weed species and plant communities due to climate change, as well as reviews that offer original perspectives on the development of weed management of major crops.

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