Special Issue

Integrated Weed Management in Agricultural Systems

Message from the Guest Editor

The goal of this Special Issue is to assess first biological, evolutionary, and ecological principles of integrated weed management. This knowledge should help weed science to move away from its traditional monodisciplinary perspective aimed at weed eradication towards researching complex problems while embracing collaborations with multiple environmental and social disciplines. In the framework of this Special Issue, integrated weed management is conceived as an approach to reduce the negative impact of weeds through the combination of effective, environmentally safe, and sociologically acceptable control tactics. As such, integrated weed management programs should consider not only changes in weed abundance and impact but also interaction among economic, environmental, and social dimensions of agroecosystems. Studies on integrated weed management, multitrophic interactions, competition of weeds and crops, effects of diversity on weed management, use of cover crops for weed competition, population dynamics modelling, effects of seed predation, plant-soil feedbacks, and herbicide resistance are welcomed to this Special Issue.

Guest Editor

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