The Application of Models for Weed Management in Cropping Systems

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Deadline for manuscript submissions:
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Message from the Guest Editors

The application of herbicides to control their weeds is being eroded. This is because: (1) increasingly tighter restrictions are being imposed on the use of herbicides; and (2) weeds are evolving a resistance to many of the available actives. It is, therefore, more important than ever to develop new effective methods for weed-control that slow the evolution of resistance and avoid the negative environmental impacts of herbicides. Here, models have an important role to play. Models can help us to understand mechanisms that are important for the control of weeds. They allow us to test scenarios that are not feasible to test through experiments, and we can use them to determine optimal management strategies. In this Special Issue, we invite submissions on the use of models to address the challenge of improving weed management in agriculture. Topics of interest include, but are not limited to:

weed management in the developing world;
integrated approaches to weed management;
managing herbicide resistance;
managing weeds to support ecosystem improvement; and
optimized weed management strategies.

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Special Issue

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Message from the Editor-in-Chief

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