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# Precision Weeding: Progress and Future Directions

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Deadline for manuscript submissions:
**closed (20 June 2024)**

## Message from the Guest Editors

Dear Colleagues,

Weeds can affect food production in agricultural systems, decreasing product quality and productivity due to the competition for natural resources. On the other hand, weeds can also be considered valuable indicators of biodiversity because of their role in providing ecosystem services. As such, there is a need to carry out an effective and sustainable weed management process, integrating the various control methods (i.e., cultural, mechanical, and chemical) in a harmonious way without harming the entire agrarian ecosystem. We invite you to submit your findings related to several topics of weed research to this Special Issue. In particular, submissions are invited on, but are not limited to, the following topics: (1) mechanical weed control with particular emphasis on robotics; (2) image processing and precision weed control; (3) decision support systems; (4) integrated weed management; and (5) data knowledge discovery and weed science.

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## Message from the Editor-in-Chief

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