

Special Issue

Crop Monitoring and Weed Management Based on Sensor-Actuation Systems

Message from the Guest Editors

The increasing social and legislative pressure to reduce chemical inputs in agriculture, the emergence of herbicide-resistant weed species and consumers' concerns about biodiversity preservation demand highly effective weed management strategies. Sensor and actuation systems offer promising alternatives for weed management. Sensors play a key role in the automation of agriculture and precision farming, providing data to help farmers monitor crops and optimize practices, while adapting to the changing environmental factors. This Special Issue aims to combine current research and development, concerning novel sensors and their specific applications in weed management. Papers demonstrating innovative ways in which sensor and actuation systems are implemented for weed identification and management, precision weed control or a more ecologically friendly weed reduction approach, are highly welcome.

Guest Editors

Dr. Dionisio Andújar

Dr. Gerassimos Peteinatos

Dr. Victor Rueda-Ayala

Deadline for manuscript submissions

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Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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