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Crop Monitoring and Weed Management Based on Sensor-Actuation Systems

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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.

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Message from the Editor-in-Chief

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