

Special Issue

Management and Control Methods for Invasive Plants in Agroecosystems

Message from the Guest Editor

Invasive plants threaten the ecological and economical integrity of all agricultural lands. A variety of traits enable these plants to invade and persist across a range of different systems, including prolific seed production, short juvenile periods, high growth rates, and vegetative reproduction. The management and control of such plants is challenging and often results in only partial and temporary control. Integrating multiple control methods and management practices over numerous years is recommended. In agronomic systems this can result in shorter-term economic gains, but in non-cropped systems such approaches must be applied across vast, heterogeneous landscapes that can increase the variability of response to management and the expense of management. Therefore, effective management must stress an invasive plant species across a range of life stages and biological features (e.g., growth rate, seed production, root system, etc.) and be implementable across time and space at a reasonable cost. This Special Issue brings together the latest research findings dealing with all aspects of invasive plant management and control.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2019)



Agronomy

an Open Access Journal
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Impact Factor 3.4
CiteScore 6.7



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