



Sustainable Cropping Systems

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Global crop production must increase substantially to meet the needs of a rapidly growing population. This is constrained by the availability of nutrients, water, land, and energy. It is further challenged by variability and change in climate and pests, and soil degradation. There is also an urgent need to reduce negative environmental impacts from crop production. Collectively, these issues represent one of the greatest challenges of the 21st century. Sustainable cropping systems based on ecological principles are the core for integrated approaches to solve this grand challenge.

This special issue is intended to provide an international base for revealing the underlying mechanisms of sustainable cropping systems to drive agronomic innovations. Reviews and original research reporting novel scientific findings on improvement of cropping systems relating to crop yields and their resilience to biotic and abiotic stressors, resource use efficiency, environmental impact, sustainability, and ecosystem services are welcomed.

Prof. Dr. Jeffrey A. Coulter
Guest Editor



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Message from the Editor-in-Chief

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