

Special Issue

The Effects of Irrigation and Fertilization Management on Cropping Systems

Message from the Guest Editors

Recent progress has revealed the regulation of irrigation and fertilization on crop growth and development, yield, and its composition, and have developed models for simulating crop response to irrigation scheduling at different growing stages. This Special Issue aims to shed light on the complexity of irrigation and fertilization management on crop phenotype, physiological and biochemical processes, yield performance, and quality formation in different scenarios.

The research includes characterizing and quantifying responses of crop physiology and biochemistry to different irrigation regimes and fertilizer applications; the priming of irrigation and fertilization on crop physiology and yield; the regulation of phytohormones on crop growth and yield formation in different scenarios of irrigation and fertilization: from the plant to the system; water and nutrients transport from root to shoot under different regimes of irrigation and fertilization; and the performance of crop systems under different irrigation regimes and fertilizer applications.

Guest Editors

Prof. Dr. Aiwang Duan

Institute of Farmland Irrigation, Chinese Academy of Agricultural Sciences, Xinxiang 453003, China

Prof. Dr. Yang Gao

Institute of Farmland Irrigation, Chinese Academy of Agricultural Sciences, Xinxiang 453003, China

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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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