

Special Issue

The Effects of Irrigation and Fertilization Management on Cropping Systems—2nd Edition

Message from the Guest Editors

Irrigation and fertilizer application are two important factors affecting the yield and utilization efficiency of water and fertilizers in different cropping systems. 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 under different scenarios. The research in this Special Issue includes the following topics: characterizing and quantifying the 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 under different scenarios of irrigation and fertilization, from the plant to the system; water and nutrient transport from the root to the shoot under different regimes of irrigation and fertilization; and the performance of crop systems under different irrigation regimes and fertilizer applications. Research articles, review articles, and short communications are invited for submission to this Special Issue.

Guest Editors

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Deadline for manuscript submissions

28 February 2025



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.2



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