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Management and Efficient Utilization of Water and Fertilizer in Field Crops II

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Deadline for manuscript
submissions:
closed (30 April 2024)

Message from the Guest Editors

Due to the global rise in population and climate change, food security and production have become major concerns at a global scale. Water and fertilizers are some of the main limited resources and vital elements for agricultural production, especially in arid and semi-arid regions. However, there have been few studies on water–fertilizer coupling effects on plant–soil relationships, crop growth monitoring and yield prediction. Therefore, a well-coordinated water and fertilizer supply promotes the plants' growth, leaf photosynthetic capacity, grain and forage yield, quality, and water and fertilizer use efficiency, as well as production benefits.

This Special Issue invites original research, technology reports, modelling approaches and methods, opinion articles, perspectives, reviews, and mini reviews on water and fertilizer management in the plant–soil system. It is the second volume of our special issue "Management and Efficient Utilization of Water and Fertilizer in Field Crops".



mdpi.com/si/176855

Special Issue



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Message from the Editor-in-Chief

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