

Special Issue

Management and Efficient Utilization of Water and Fertilizer in Field Crops—2nd Edition

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".

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

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