Special Issue

Regulating Effects of Irrigation and Drainage Techniques on the Soil Environment

Message from the Guest Editors

Irrigation and drainage techniques are effective measures for agricultural drought and significant means to ensure reusability of soil and enhanced crop production. However, inappropriate technical parameters for irrigation and drainage have led to frequent environmental problems, such as soil salinization, waterlogging, loss of nutrients, and groundwater pollution. To improve the efficiency of water and fertilizer use and achieve sustainable agricultural development, it is critical to explore the regulating effects of irrigation and drainage on the soil environment as well as the relationship between these agricultural techniques and crop growth. Additionally, appropriate technical parameters of irrigation and drainage and a proper system for irrigation and fertilization usage should be developed for scientific regulation of the transport of water, fertilizer, and salt. This special issue focuses on the theory, techniques, and methodologies of irrigation and drainage and their effects on the biophysical environment of soil. We invite relevant contributions to this special issue of Sustainability.

Guest Editors

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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