

Special Issue

Soil Improvement and the Efficient Utilization of Water and Fertilizer in Greenhouse Crops

Message from the Guest Editors

We encourage you to submit papers for an important Special Issue on “Soil Improvement and the Efficient Utilization of Water and Fertilizer in Greenhouse Crops”. Greenhouses are one of the most important facilities for the production of winter–spring crops all over the world. Greenhouse crops play an important role in balancing the human dietary structure and increasing farmers' income. However, due to people's one-sided pursuit of yield, excessive fertilization and unreasonable irrigation are common in the process of greenhouse management. At the same time, the multiple cropping index is high, and the farming system as well as environment are special, which lead to low water and fertilizer use efficiency in addition to secondary salinization, acidification and hardening, and imbalances in the nutrient balances of soils in greenhouses. These phenomena lead to serious damage to soil ecological environments, thus affecting crop quality and human health.

This Special Issue invites studies that focus on advanced field management technology, tools, or materials to improve soil and enhance crop quality as well as water and fertilizer use efficiency in greenhouses.

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2026)



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Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

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Editor-in-Chief

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