

Special Issue

Keeping Nutrients in the Soil: The Challenges, Benefits and Trade-Offs

Message from the Guest Editors

The nutrient utilization efficiency of lower soil is becoming one of the most significant obstacles to sustainable agricultural production. For example, the overuse of chemical fertilizers has reduced their efficiency, and increased soil acidification and secondary salinization. Therefore, there is a need to strengthen scientific fertilization, and establish a circular economy-based agricultural system.

This Special Issue welcomes original and review articles in the following areas:

- Soil nutrient cycling and soil health;
- The efficient utilization of soil nutrients and fertilizers;
- Crop soil and water resources utilization and conservation;
- Benefit evaluations for balanced fertilization and organic substitutions for chemical fertilizers;
- Nutrient utilization efficiency in crop rotation systems;
- Products and technologies for increasing nutrient efficiency;
- Soil microbial diversity and its function;
- The crop yield and efficiency mechanisms in the synergistic application of water and fertilizer;
- Sustainable utilization technology for soil to facilitate agriculture;
- Evaluations of soil quality in organic agriculture.

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