

Special Issue

Effects of Arable Farming Measures on Nutrient Dynamics

Message from the Guest Editor

Soil nutrient dynamics can reflect the history of soil management, and it is one important factor impacting crop yield. The lack of research on soil nutrient dynamics may affect choices of crop nutrient management practices and chemical fertilizer utilization, which could increase chemical fertilizer input and decrease fertilizer use efficiency. This threatens the environmental quality and deeply influences the sustainable development of regional agriculture. This Special Issue focuses on soil fertility, soil nutrient cycling, as well as agronomy practices that can improve soil quality and increase crop yield. Contributions can include, but are not limited to: (1) key factors impacting soil nutrient dynamics in arable land; (2) nutrient cycling processes in different agronomy practices; (3) the effects of long-term agronomy practices (e.g., tillage practices and fertilization) on soil nutrients, crop yield, and fertilizer use efficiency; (4) nutrient transformations driven by microorganisms.

Guest Editor

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