



Research Progress of Mineral Elements in Cropping Systems

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Message from the Guest Editors

Nutrient uptake is a basic requirement for plant biomass production. Well-balanced nutrient availability in the soil has a substantial role in plant physiology and development.

This Special Issue focuses on the following aspects:

1. The behavior of mineral elements in plant–soil systems, chemical processes involved in the transformation, and processes controlling the bioavailability and mobility of trace elements in soils;
2. The uptake, translocation, and transformation of nutrients in crop plant–soil–microbe systems;
3. The bioavailability, phytoavailability, Bioaccessibility, and risk assessment of essential and non-essential elements in agri-food and soil;
4. Focus on the balance of nutrients in agroecosystems;
5. Biotechnology and nanotechnology to regulate nutrient behavior in plant–soil systems;
6. New technology for characterizing the chemical forms and bioavailability of nutrients in agricultural soils and plants;
7. Soil and plant nutrients as affected by climate change;
8. The contribution of agronomic techniques and anthropogenic activities to soil and plant nutrient contents.





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Message from the Editor-in-Chief

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