

Special Issue

Research Progress of Mineral Elements in Cropping Systems

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:

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

Guest Editors

Prof. Dr. Silvia Rita Stazi

Prof. Dr. Roberto Mancinelli

Dr. Rosita Marabottini

Deadline for manuscript submissions

closed (31 March 2022)



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Agronomy
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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