

## 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*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agronomy@mdpi.com](mailto:agronomy@mdpi.com)

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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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