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New Perspectives on Phosphorus Management in the Soil-Plant System—Looking for Solutions to the P Scarcity

Guest Editors:

Dr. Magdalena Dębicka
Institute of Soil Sciences, Plant Nutrition and Environmental Protection; Wrocław University of Environmental and Life Sciences; ul. Grunwaldzka 53, 50-357 Wrocław, Poland

Dr. Piotr Stępień
Institute of Soil Sciences, Plant Nutrition and Environmental Protection, Wrocław University of Environmental and Life Sciences, Grunwaldzka 53, 50-357 Wrocław, Poland

Dr. Elżbieta Jamroz
Institute of Soil Science and Environmental Protection, Wrocław University of Environmental and Life Sciences, Grunwaldzka 53, 50-357 Wrocław, Poland

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Message from the Guest Editors

Dear Colleagues,

The management of phosphorus in agricultural areas has always posed numerous problems simply due to the chemical nature of this macronutrient. This is driven by two aspects: on the one hand, the low P bioavailability, requiring continuous soil fertilisation, and on the other, its strong sorption and high accumulation in forms unavailable for plants as well as the risk of the eutrophication as a result of possible P mobilisation into the environment. These issues of growing concern include: Limited natural resources of the world's phosphorites; An increasing need to handle an expanding amount of waste; Environmental changes caused by human activity and climate change, resulting in, e.g., the acceleration of soil degradation, especially of arable soils, and the progressive loss of organic matter.

The Special Issue is, therefore, proposed to address the problems of searching for alternative (renewable) sources of P fertilisation and studying plant resistance to P deficiency based on physiological processes, deepening the knowledge of P availability and transformations in soil and plant in relation to current environmental challenges.

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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

Message from the Editor-in-Chief

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Agronomy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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