

## Special Issue

# Perception and Acquisition of Nutrients in Cultivated Plants

### Message from the Guest Editors

A comprehensive understanding of mechanisms involved in nutrient perception and acquisition by crops is a crucial step for basic knowledge and technological transfer of research. Crops adapt to different availabilities of nutrients by altering their physiological and morphological responses, leading to functionally adjusting their development. This plasticity depends on plants' ability to sense the nutritional endogenous status and the external nutrient availability and adequately translate it in physiological responses to maximize nutrient use efficiency. The achievement of the overall pathway, starting from nutrient perception and leading to nutrient acquisition and assimilation, greatly impacts crop productivity and, as a consequence, environmental costs of agriculture. This issue will welcome original articles dealing with various topics ranging from the agronomical management of mineral nutrition to the molecular regulation of nutrient perception and response in crops.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 October 2020)



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