



Plant Nutrition: Physiological and Metabolic Responses, Molecular Mechanisms and Chromatin Modifications

Guest Editors:

Prof. Dr. Wilfried Rozhon

Dr. Sabine von Tucher

Dr. Pecinka Ales

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Message from the Guest Editors

Inadequate plant nutrition is one of the major yield-limiting factors, and high agricultural productivity cannot be conceived of without a sufficient nutrient supply of crops. Minerals present in crop plants, particularly iron, potassium, and a number of micronutrients, are also crucial for human and livestock health. However, while the application of fertilizers enhances plant productivity and may positively affect nutritional value, overfertilization might reduce plant growth, cause accumulation of critical compounds. Thus, measures for need-based and resource-efficient fertilization are of utmost importance for the future. To tackle these issues, a detailed understanding of the responses of plants to nutrients and nutrient deficiency at the physiological, metabolic, transcriptome, and epigenetic level is essential.

Original research articles, short communications, and reviews addressing the aforementioned or similar topics are considered attractive contributions for this Special Issue.





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Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

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*International Journal of Molecular
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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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