



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. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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*International Journal of Molecular
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MDPI, Grosspeteranlage 5
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