

## Special Issue

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

### 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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### Guest Editors

Prof. Dr. Wilfried Rozhon

Dr. Sabine von Tucher

Dr. Pecinka Ales

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### Deadline for manuscript submissions

closed (30 June 2021)



## International Journal of Molecular Sciences

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

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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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

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