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Light and Plant Nutrition

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Message from the Guest Editors

More than half of the world's population suffers from an insufficient amount of micronutrients in their diet, so various modern, safety measures are being sought to improve the nutritional properties of plants. One of the methods is biofortification, which was proposed as a solution to increase the number of mineral elements in various plants not only by breeding or biotechnological methods but also by applying various agrotechnological measures, e.g., purposeful selection of artificial lighting, customized targeted nutrition, use of various nanoparticles or adaptation of interaction of other factors. In this case, it is very important to understand the mechanisms of the effects of lighting and other environmental factors on plant minerals metabolism and related changes in the synthesis of bioactive compounds. In this Special Issue, will be published reviews and scientific research focusing on the impact of various light parameters (spectrum, intensity, photoperiod, etc.) on the contents of macro- and microelements and the analysis of their interaction with various bioactive compounds.



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Special Issue



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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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