



## Use and Management of Artificial Light in Horticultural Plants

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### Message from the Guest Editors

Currently, artificial light sources are extensively employed. They can be used as the sole source of illumination in vertical farming to optimally utilize the cultivation space, such as in plant factories, artificial climate chambers, and tissue culture rooms. In regions where there is an inadequate amount of natural light or during winter or rainy seasons with a short period of daylight, artificial light sources can make up for the deficiency of natural light and supplement light for crops, thus, enhancing crop yield or regulating differentiation and morphophysiology.

The application of artificial lights in horticultural crops and the related mechanisms of light-regulated plant physiological responses are an essential part of realizing intelligent agriculture. To this end, it is necessary to gain a thorough understanding of the effects of light quality, light intensity, light duration, and light angle on crops and explore the mechanisms of molecular regulation involved.

This Special Issue welcomes all studies related to the application of artificial light in horticultural crops and the mechanisms associated with light-mediated regulation of plant physiological responses.





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## Message from the Editor-in-Chief

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