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## The Effects of LED Light Spectra and Intensities on Plant Growth

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### Message from the Guest Editors

Dear Colleagues,

The physical properties of light as spectral quality, irradiance and intensity, and photoperiod play a deep role on the morphogenesis, growth, and metabolism of many biochemical pathways in plants.

Light-emitting diodes (LEDs) have been demonstrated to offer interesting prospects for use in plant lighting designs in controlled environment agriculture (greenhouses) and growth chambers for in vitro cultures.

As compared to the previously used light sources, LEDs possess advantages such as wavelength specificity, less heat radiation, longest durability, much lower power consumption, and the possibility to manipulate the spectral qualities of the emitted light.



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## Message from the Editor-in-Chief

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