

Special Issue

LED Lighting Effects on the Growth and Development of Fruits and Vegetables

Message from the Guest Editors

In horticultural production systems, light characteristics play a pivotal role in determining plant growth and morphology, as they do in flowering, final crop yield, and fruit quality. Artificial lighting utilizing light emitting diodes (LED lighting) allows for a more controlled growth environment that can improve the productivity of fruits and vegetables. In addition to the emission of specific wavelengths, LED lighting is more energy efficient than other light sources, which makes it particularly attractive in terms of reducing production costs. The purpose of this Special Issue on “LED Lighting: Promoting the Growth and Development of Fruits and Vegetables” is to present innovative studies that have been successful in determining the advantages and possible drawbacks of the use of LED lighting in horticultural production. The use of LED lighting to improve growth conditions, either by providing optimum photosynthetic conditions, reduced-temperature production conditions, increased chlorophyll or photosynthetic pigments, or other effects on horticultural production systems, is of utmost interest for the production of high-quality commodities.

Guest Editors

Dr. Juan Valiente-Banuet

Tecnologico de Monterrey, Escuela de Ingeniería y Ciencias, Epigmenio González 500, Querétaro 76130, Mexico

Dr. Hector Nuñez-Palenius

División de Ciencias de la Vida, Campus Irapuato-Salamanca, Universidad de Guanajuato, Agronomía, Ex Hacienda el Copal km 9, Carretera Irapuato-Silao, Irapuato 36500, Mexico

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Horticulturae
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
horticulturae@mdpi.com

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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Luigi De Bellis
Department of Biological and Environmental Sciences and
Technologies (DiSTeBA), Salento University, 73100 Lecce, Italy

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